



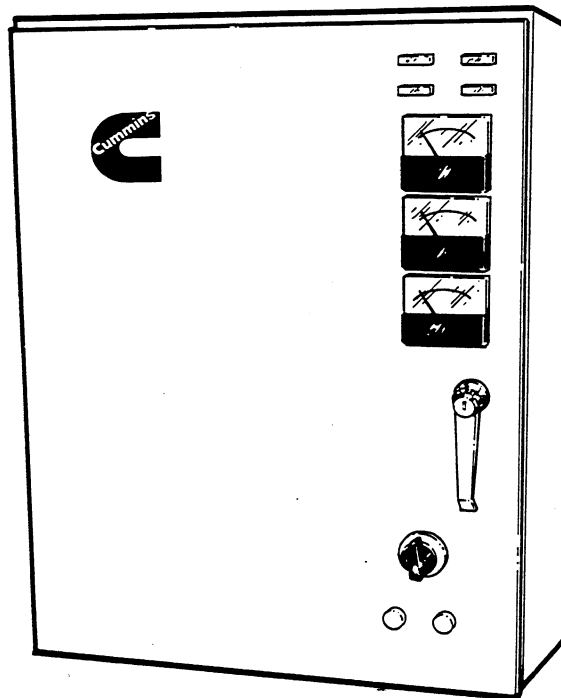
**Cummins  
Power  
Systems**

**Parts Catalog**

**CT/CN**

**300 - 400 - 600 Amp  
Contactor Type**

**Transfer Switch**



# Important Safety Precautions

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Read and observe these safety precautions when using or working on electric generators, engines and related equipment. Also read and follow the literature provided with the equipment.

Proper operation and maintenance are critical to performance and safety. Electricity, fuel, exhaust, moving parts and batteries present hazards that can cause severe personal injury or death.

## FUEL, ENGINE OIL, AND FUMES ARE FLAMMABLE AND TOXIC

Fire, explosion, and personal injury can result from improper practices.

- Used engine oil, and benzene and lead, found in some gasoline, have been identified by government agencies as causing cancer or reproductive toxicity. When checking, draining or adding fuel or oil, do not ingest, breathe the fumes, or contact gasoline or used oil.
- Do not fill tanks with engine running. Do not smoke around the area. Wipe up oil or fuel spills. Do not leave rags in engine compartment or on equipment. Keep this and surrounding area clean.
- Inspect fuel system before each operation and periodically while running.
- Equip fuel supply with a positive fuel shutoff.
- Do not store or transport equipment with fuel in tank.
- Keep an ABC-rated fire extinguisher available near equipment and adjacent areas for use on all types of fires except alcohol.
- Unless provided with equipment or noted otherwise in installation manual, fuel lines must be copper or steel, secured, free of leaks and separated or shielded from electrical wiring.
- Use approved, non-conductive flexible fuel hose for fuel connections. Do not use copper tubing as a flexible connection. It will work-harden and break.

## EXHAUST GAS IS DEADLY

- Engine exhaust contains carbon monoxide (CO), an odorless, invisible, poisonous gas. Learn the symptoms of CO poisoning.
- Never sleep in a vessel, vehicle, or room with a genset or engine running unless the area is equipped with an operating CO detector with an audible alarm.
- Each time the engine or genset is started, or at least every day, thoroughly inspect the exhaust system. Shut down the unit and repair leaks immediately.

- Warning: Engine exhaust is known to the State of California to cause cancer, birth defects and other reproductive harm.

*Make sure exhaust is properly ventilated.*

- Vessel bilge must have an operating power exhaust.
- Vehicle exhaust system must extend beyond vehicle perimeter and not near windows, doors or vents.
- Do not use engine or genset cooling air to heat an area.
- Do not operate engine/genset in enclosed area without ample fresh air ventilation.
- Expel exhaust away from enclosed, sheltered, or occupied areas.
- Make sure exhaust system components are securely fastened and not warped.

## MOVING PARTS CAN CAUSE SEVERE PERSONAL INJURY OR DEATH

- Do not remove any guards or covers with the equipment running.
- Keep hands, clothing, hair, and jewelry away from moving parts.
- Before performing any maintenance, disconnect battery (negative [-] cable first) to prevent accidental starting.
- Make sure fasteners and joints are secure. Tighten supports and clamps, keep guards in position over fans, drive belts, etc.
- If adjustments must be made while equipment is running, use extreme caution around hot manifolds and moving parts, etc. Wear safety glasses and protective clothing.

## BATTERY GAS IS EXPLOSIVE

- Wear safety glasses and do not smoke while servicing batteries.
- Always disconnect battery negative (-) lead first and reconnect it last. Make sure you connect battery correctly. A direct short across battery terminals can cause an explosion. Do not smoke while servicing batteries. Hydrogen gas given off during charging is explosive.
- Do not disconnect or connect battery cables if fuel vapors are present. Ventilate the area thoroughly.

## **DO NOT OPERATE IN FLAMMABLE AND EXPLOSIVE ENVIRONMENTS**

Flammable vapor can be ignited by equipment operation or cause a diesel engine to overspeed and become difficult to stop, resulting in possible fire, explosion, severe personal injury and death. **Do not operate diesel equipment where a flammable vapor environment can be created by fuel spill, leak, etc., unless equipped with an automatic safety device to block the air intake and stop the engine.**

## **HOT COOLANT CAN CAUSE SEVERE PERSONAL INJURY**

- Hot coolant is under pressure. Do not loosen the coolant pressure cap while the engine is hot. Let the engine cool before opening the pressure cap.

## **ELECTRICAL SHOCK CAN CAUSE SEVERE PERSONAL INJURY OR DEATH**

- Do not service control panel or engine with unit running. High voltages are present. Work that must be done while unit is running should be done only by qualified service personnel.
- Do not connect the generator set to the public utility or to any other electrical power system. Electrocutation can occur at a remote site where line or equipment repairs are being made. An approved transfer switch must be used if more than one power source is connected.
- Disconnect starting battery (negative [-] cable first) before removing protective shields or touching electrical equipment. Use insulative mats placed on dry wood platforms. Do not wear jewelry, damp clothing or allow skin surface to be damp when handling electrical equipment.
- Use insulated tools. Do not tamper with interlocks.
- Follow all applicable state and local electrical codes. Have all electrical installations performed by a qualified licensed electrician. Tag open switches to avoid accidental closure.
- With transfer switches, keep cabinet closed and locked. Only authorized personnel should have cabinet or operational keys. Due to serious shock hazard from high voltages within cabinet, all service and adjustments must be performed by an electrician or authorized service representative.

If the cabinet must be opened for any reason:

1. Move genset operation switch or Stop/Auto/Handcrank switch (whichever applies) to Stop.
2. Disconnect genset batteries (negative [-] lead first).
3. Remove AC power to automatic transfer switch. If instructions require otherwise, use extreme caution due to shock hazard.

## **MEDIUM VOLTAGE GENERATOR SETS (601V TO 15kV)**

- Medium voltage acts differently than low voltage. Special equipment and training are required to work on or around medium voltage equipment. Operation and maintenance must be done only by persons trained and qualified to work on such devices. Improper use or procedures will result in severe personal injury or death.
- Do not work on energized equipment. Unauthorized personnel must not be permitted near energized equipment. Induced voltage remains even after equipment is disconnected from the power source. Plan maintenance with authorized personnel so equipment can be de-energized and safely grounded.

## **GENERAL SAFETY PRECAUTIONS**

- Do not work on equipment when mentally or physically fatigued or after consuming alcohol or drugs.
- Carefully follow all applicable local, state and federal codes.
- Never step on equipment (as when entering or leaving the engine compartment). It can stress and break unit components, possibly resulting in dangerous operating conditions from leaking fuel, leaking exhaust fumes, etc.
- Keep equipment and area clean. Oil, grease, dirt, or stowed gear can cause fire or damage equipment by restricting airflow.
- Equipment owners and operators are solely responsible for operating equipment safely. Contact your authorized Onan/Cummins dealer or distributor for more information.

**KEEP THIS DOCUMENT NEAR EQUIPMENT FOR EASY REFERENCE.**

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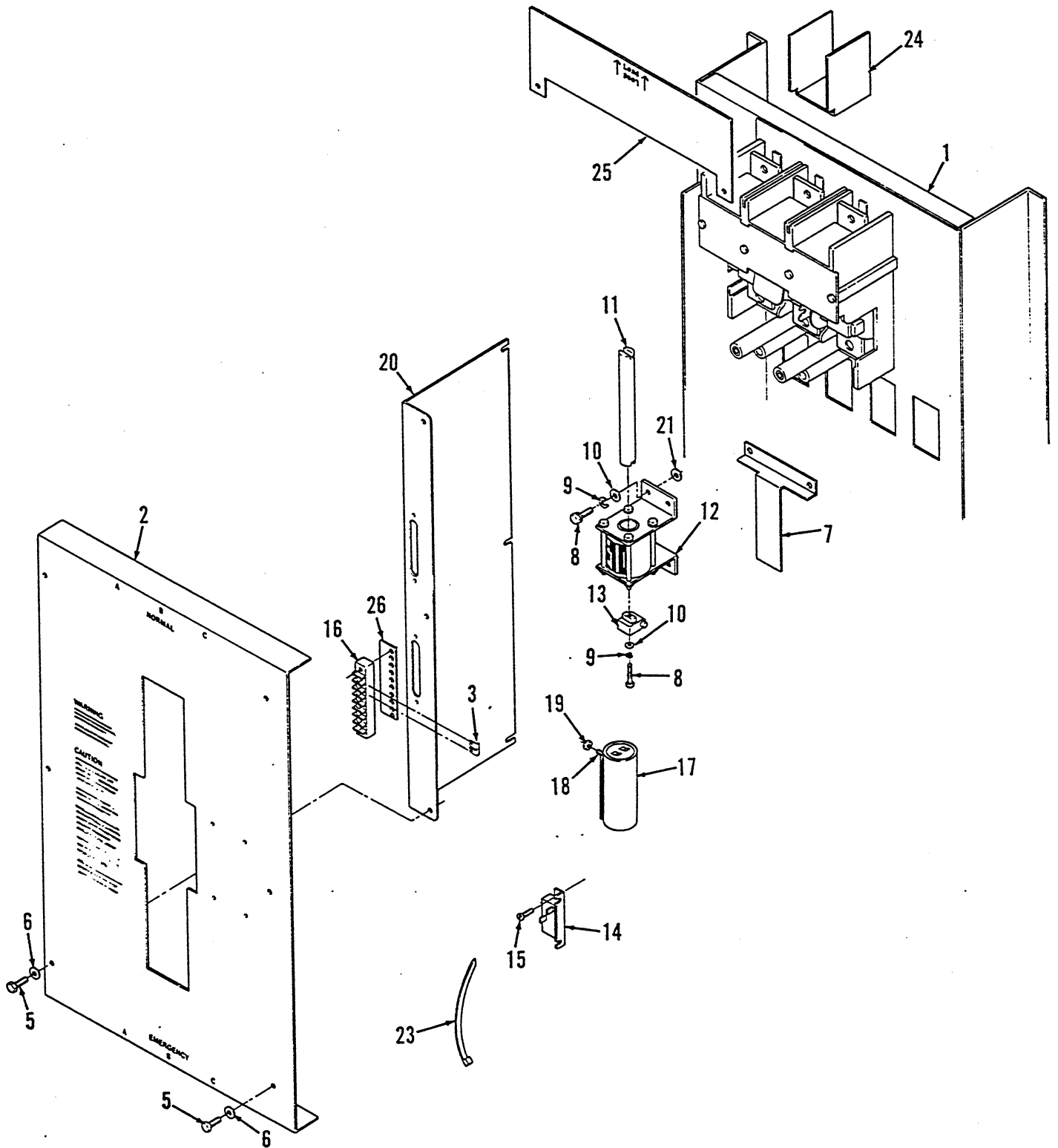
## Introduction

This catalog applies to the CT Spec G Transfer Switches as indicated below. Each Illustrated part is identified by a reference number corresponding to the same reference number in the parts list for that group. Parts illustrations are typical. Using the MODEL and SPEC NUMBER from the switch box nameplate, select the parts that apply to your automatic transfer switch. Unless otherwise mentioned in the description, parts are interchangeable between models.

### Model Selection Table

<b>Transfer Switch Series</b> OT - 3 Pole ON - 4 Pole	CT	C	U	600	A	00000	G	<b>Specification Letter</b> Designates Major Manufacturing Changes
<b>Application Code</b> A - Non-Automatic B - Utility to Utility C - Utility to Generator Set (2 Wire) D - Generator Set to Generator Set E - Generator Set to Generator Set (3 Wire) F - Remote Control (Slave) G - Remote Control (ERS) H - Utility to Generator Set - Relay Control								<b>Specification Number</b> Factory Code Designating A Combination Of Accessories
<b>Standards Code</b> U - U.L. Listed C - CSA Approved N - No Approval Required								
<b>Ampere Rating</b> 40, 70, 125, 150, 225, 260, 300, 400, 600, 800, 1000								<b>Voltage and Frequency Code</b> A - 120 Volt, 60 Hz, 1 Phase, 2 Wire B - 120/240 Volt, 60 Hz, 1 Phase, 3 W C - 120/208 Volt, 60 Hz, 3 Phase, 4 W D - 120/240 Volt, 60 Hz, 3 Phase, 4 W E - 240/480 Volt, 60 Hz, 3 Phase, 4 W F - 220/380 Volt, 60 Hz, 3 Phase, 4 W G - 277/480 Volt, 60 Hz, 3 Phase, 4 W H - 347/600 Volt, 60 Hz, 3 Phase, 4 W J - 120/240 Volt, 60 Hz, 1 Phase, 4 W K - 416/440, 480 V, 60 Hz, 3 Phase, 4 W ..... M - 110/220 Volt, 50 Hz, 1 Phase, 4 W N - 120/240 Volt, 50 Hz, 1 Phase, 3 W P - 120/240 Volt, 50 Hz, 1 Phase, 4 W S - 120/240 Volt, 50 Hz, 3 Phase, 4 W T - 220/380 Volt, 50 Hz, 3 Phase, 4 W U - 240 Volt, 50 Hz, 1 Phase, 2 Wire Y - 380, 400, 416 V, 50 Hz, 3 Phase 4 W ..... R - Special

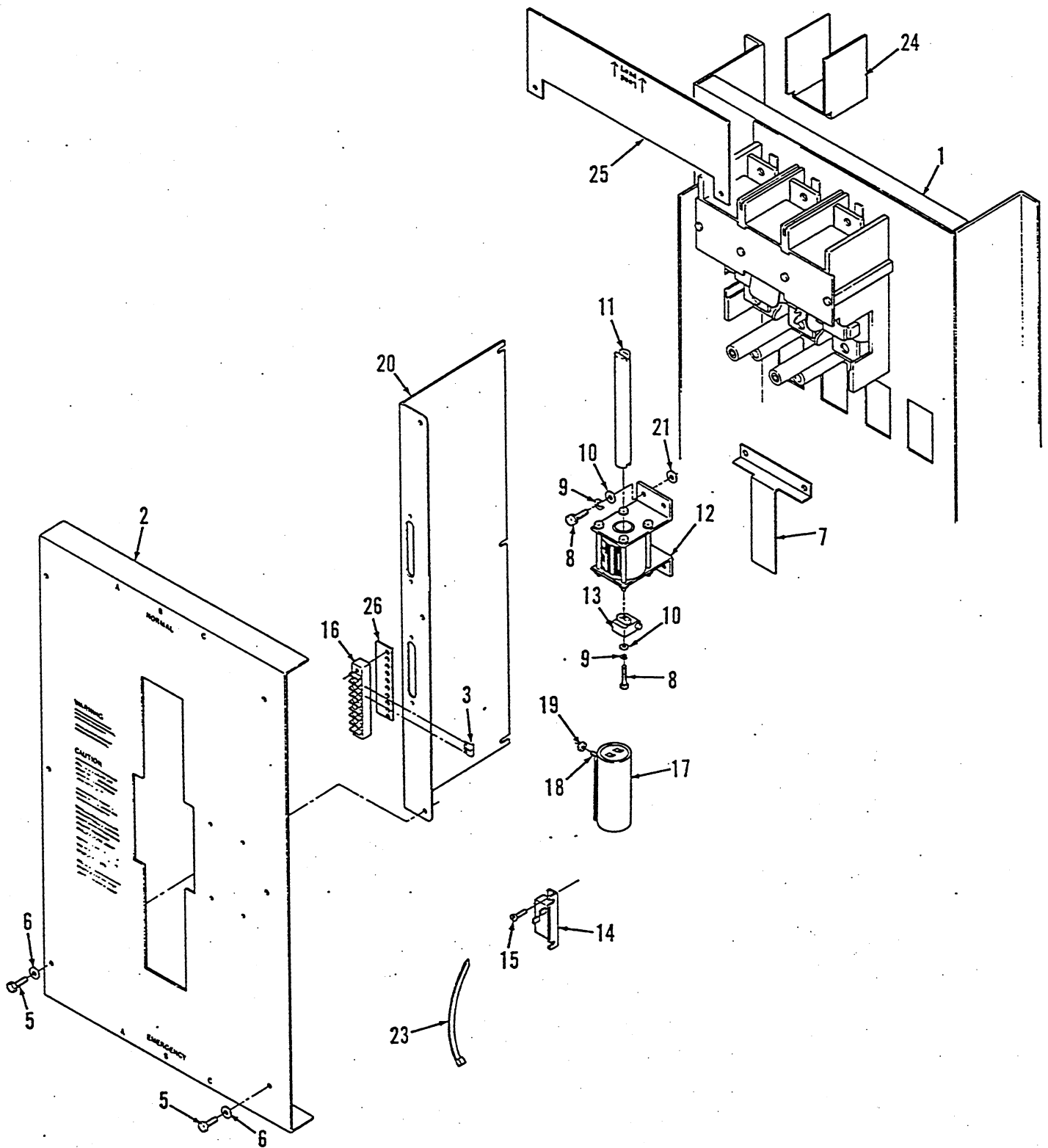
# Transfer Switch Assembly



# Transfer Switch Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Transfer Switch Assembly, (Includes Parts Marked *)				400 Amp
			300 Amp				3 Pole
			3 Pole				60 Hertz
			60 Hertz				120 Volt, 1 Phase,
306-3549-01	1		120 Volt, 1 Phase,	306-3550-01	1		2 Wire
			2 Wire	306-3550-04	1		120/240 Volt, 1 Phase,
306-3549-04	1		120/240 Volt, 1 Phase,				3 Wire
			3 Wire	306-3550-03	1		120/208 Volt, 3 Phase,
306-3549-03	1		120/208 Volt, 3 Phase,				4 Wire
			4 Wire	306-3550-04	1		120/240 Volt, 3 Phase,
306-3549-04	1		120/240 Volt, 3 Phase,				4 Wire
			4 Wire	306-3550-07	1		240/480 Volt, 3 Phase,
306-3549-07	1		240/480 Volt, 3 Phase,				4 Wire
			4 Wire	306-3550-06	1		220/380 Volt, 3 Phase,
306-3549-06	1		220/380 Volt, 3 Phase,				4 Wire
			4 Wire	306-3550-07	1		277/480 Volt, 3 Phase,
306-3549-07	1		277/480 Volt, 3 Phase,				4 Wire
			4 Wire	306-3550-05	1		347/600 Volt, 3 Phase,
306-3549-05	1		347/600 Volt, 3 Phase,				4 Wire
			4 Wire				50 Hertz
			50 Hertz	306-3550-04	1		220 Volt, 1 Phase,
306-3549-04	1		220 Volt, 1 Phase,				2 Wire
			2 Wire	306-3550-04	1		115/200 Volt, 1 Phase,
306-3549-04	1		115/200 Volt, 1 Phase,				3 Wire
			3 Wire	306-3550-04	1		220/380 Volt, 3 Phase,
306-3549-04	1		220/380 Volt, 3 Phase,				4 Wire
			4 Wire	306-3550-03	1		120/208 Volt, 3 Phase,
306-3549-03	1		120/208 Volt, 3 Phase,				4 Wire
			4 Wire	306-3550-06	1		240/416 Volt, 3 Phase,
306-3549-06	1		240/416 Volt, 3 Phase,				4 Wire
			4 Wire				4 Pole
			4 Pole				60 Hertz
			60 Hertz	306-3553-01	1		120 Volt, 1 Phase,
306-3552-01	1		120 Volt, 1 Phase,				2 Wire
			2 Wire	306-3553-04	1		120/240 Volt, 1 Phase,
306-3552-04	1		120/240 Volt, 1 Phase,				3 Wire
			3 Wire	306-3553-03	1		120/208 Volt, 3 Phase,
306-3552-03	1		120/208 Volt, 3 Phase,				4 Wire
			4 Wire	306-3553-04	1		120/240 Volt, 3 Phase,
306-3552-04	1		120/240 Volt, 3 Phase,				4 Wire
			4 Wire	306-3553-07	1		240/480 Volt, 3 Phase,
306-3552-07	1		240/480 Volt, 3 Phase,				4 Wire
			4 Wire	306-3553-06	1		220/380 Volt, 3 Phase,
306-3552-06	1		220/380 Volt, 3 Phase,				4 Wire
			4 Wire	306-3553-07	1		277/480 Volt, 3 Phase,
306-3552-07	1		277/480 Volt, 3 Phase,				4 Wire
			4 Wire	306-3553-05	1		347/600 Volt, 3 Phase,
306-3552-05	1		347/600 Volt, 3 Phase,				4 Wire
			4 Wire				50 Hertz
			50 Hertz	306-3553-04	1		220 Volt, 1 Phase,
306-3552-04	1		220 Volt, 1 Phase,				2 Wire
			2 Wire	306-3553-04	1		115/200 Volt, 1 Phase,
306-3552-04	1		115/200 Volt, 1 Phase,				3 Wire
			3 Wire	306-3553-04	1		220/380 Volt, 3 Phase,
306-3552-04	1		220/380 Volt, 3 Phase,				4 Wire
			4 Wire	306-3553-03	1		120/208 Volt, 3 Phase,
306-3552-03	1		120/208 Volt, 3 Phase,				4 Wire
			4 Wire	306-3553-06	1		240/416 Volt, 3 Phase,
306-3552-06	1		240/416 Volt, 3 Phase,				4 Wire
			4 Wire				

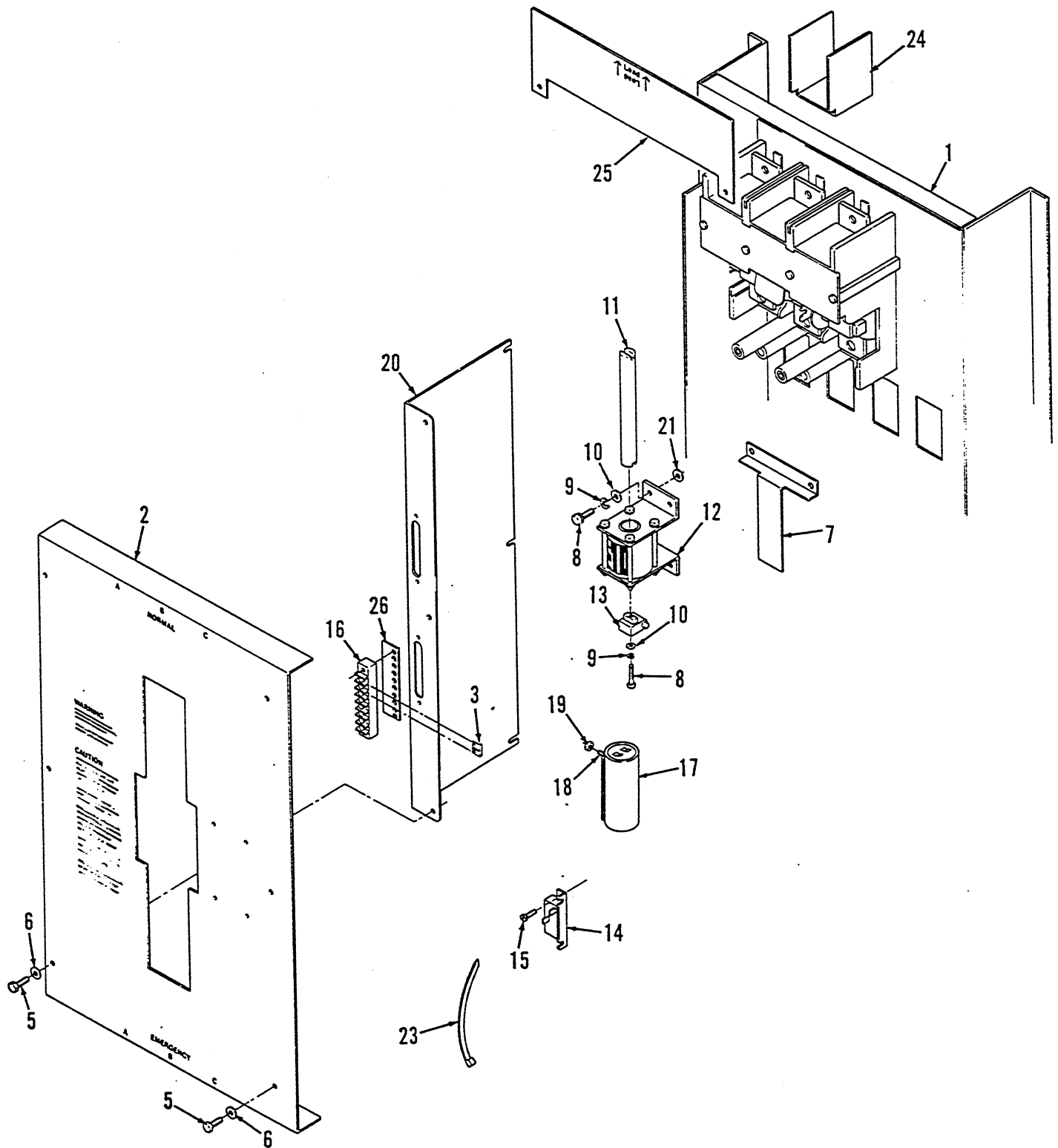
# Transfer Switch Assembly



# Transfer Switch Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			600 Amp				4 Pole
			3 Pole				60 Hertz
			60 Hertz				120 Volt, 1 Phase,
306-3551-01	1		120 Volt, 1 Phase,	306-3554-01	1		2 Wire
			2 Wire	306-3554-04	1		120/240 Volt, 1 Phase,
306-3551-04	1		120/240 Volt, 1 Phase,				3 Wire
			3 Wire	306-3554-03	1		120/208 Volt, 3 Phase,
306-3551-03	1		120/208 Volt, 3 Phase,				4 Wire
			4 Wire	306-3554-04	1		120/240 Volt, 3 Phase,
306-3551-04	1		120/240 Volt, 3 Phase,				4 Wire
			4 Wire	306-3554-07	1		240/480 Volt, 3 Phase,
306-3551-07	1		240/480 Volt, 3 Phase,				4 Wire
			4 Wire	306-3554-06	1		220/380 Volt, 3 Phase,
306-3551-06	1		220/380 Volt, 3 Phase,				4 Wire
			4 Wire	306-3554-07	1		277/480 Volt, 3 Phase,
306-3551-07	1		277/480 Volt, 3 Phase,				4 Wire
			4 Wire	306-3554-05	1		347/600 Volt, 3 Phase,
306-3551-05	1		347/600 Volt, 3 Phase,				4 Wire
			4 Wire				50 Hertz
			50 Hertz	306-3554-04	1		220 Volt, 1 Phase,
306-3551-04	1		220 Volt, 1 Phase,				2 Wire
			2 Wire	306-3554-04	1		115/200 Volt, 1 Phase,
306-3551-04	1		115/200 Volt, 1 Phase,				3 Wire
			3 Wire	306-3554-04	1		220/380 Volt, 3 Phase,
306-3551-04	1		220/380 Volt, 3 Phase,				4 Wire
			4 Wire	306-3554-03	1		120/208 Volt, 3 Phase,
306-3551-03	1		120/208 Volt, 3 Phase,				4 Wire
			4 Wire	306-3554-06	1		240/416 Volt, 3 Phase,
306-3551-06	1		240/416 Volt, 3 Phase,				4 Wire
			4 Wire				

# Transfer Switch Assembly

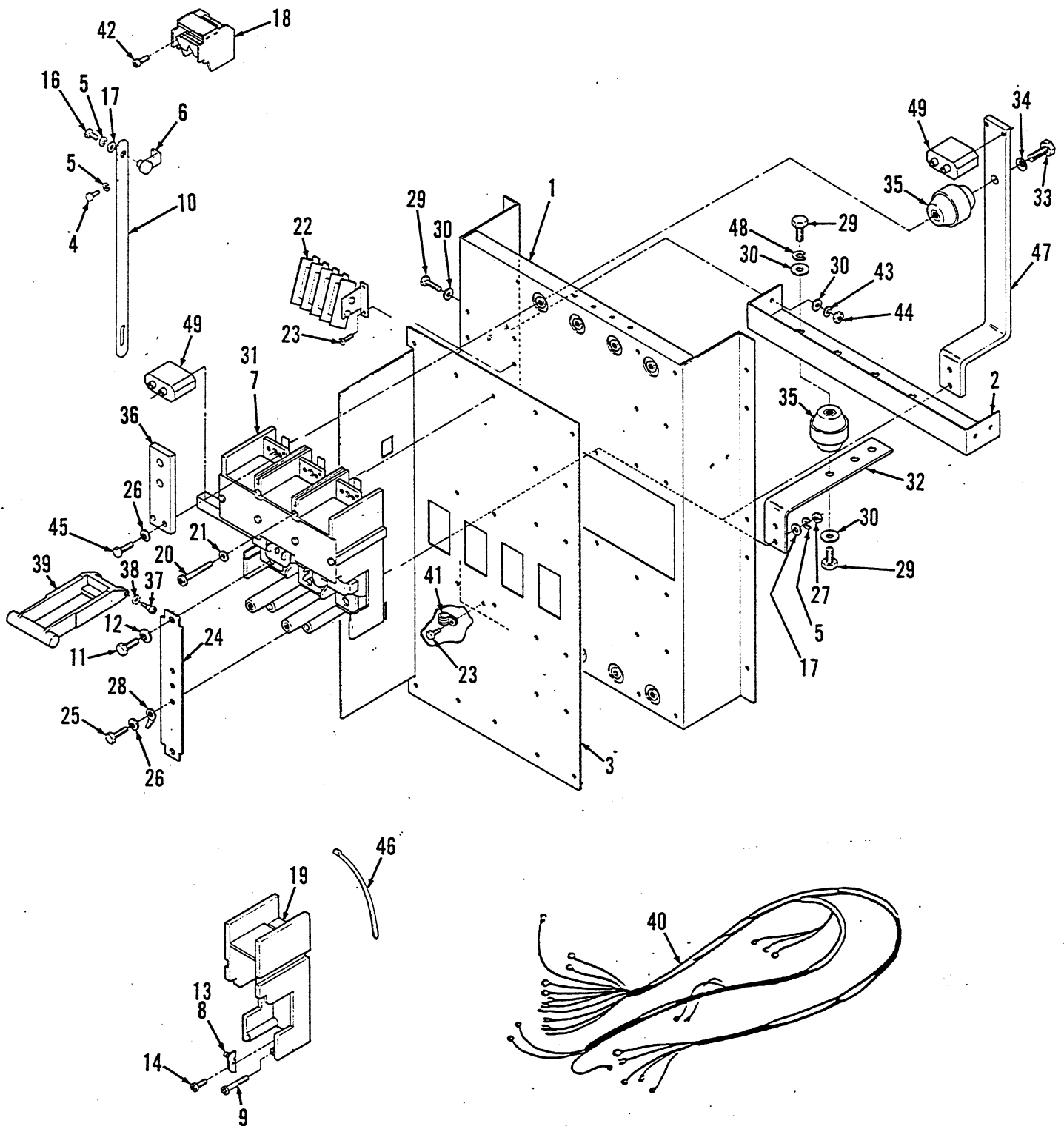


# Transfer Switch Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			*Switch Assembly (See Separate Group for Components)	320-0608	1	240/480 Volt, 3 Phase, 4 Wire	
	306-3425-01	1	3 Pole	320-0608	1	220/380 Volt, 3 Phase, 4 Wire	
	306-3427-01	1	4 Pole	320-0608	1	277/480 Volt, 3 Phase, 4 Wire	
			600 Amp	320-0609	1	347/600 Volt, 3 Phase, 4 Wire	
	306-3425-02	1	3 Pole			50 Hertz	
	306-3427-02	1	4 Pole	320-0608	1	220 Volt, 1 Phase, 2 Wire	
2			*Cover, Contact (Includes Decal)	320-0611	1	115/200 Volt, 1 Phase, 3 Wire	
	306-3472-01	1	3 Pole	320-0611	1	220/380 Volt, 3 Phase, 4 Wire	
	306-3429-01	1	4 Pole	320-0608	1	120/208 Volt, 3 Phase, 4 Wire	
	98-5624-01	1	Decal	320-0608	1	240/416 Volt, 3 Phase, 4 Wire	
3	332-2605	2	*Terminal, Jumper			4 Wire	
5			*Screw, Hex Head (#10 - 32 x 1/2")	320-0608	1	120/208 Volt, 3 Phase, 4 Wire	
	815-0652	14	3 Pole			4 Wire	
	815-0652	16	4 Pole	320-0608	1	240/416 Volt, 3 Phase, 4 Wire	
6			*Washer, Flat (#10)	15	815-0651	6	*Screw, Round Head - Cross Recessed (#6 - 32 x 3/4")
	526-0008	8	3 Pole	16	332-2832	2	*Block, Terminal
	526-0008	10	4 Pole	17			*Capacitor
7	306-2340	2	*Barrier			60 Hertz	
8	800-0007	6	*Screw, Cap - Hex Head (1/4 - 20 x 1")	312-0239	1	120 Volt, 1 Phase, 2 Wire	
9	850-0040	6	*Washer, Lock (1/4)	312-0206	1	120/240 Volt, 1 Phase, 3 Wire	
10	526-0018	6	*Washer, Flat (1/4)	312-0206	1	120/208 Volt, 3 Phase, 4 Wire	
11	306-3424	1	*Rod, Actuator	312-0206	1	120/240 Volt, 3 Phase, 4 Wire	
12			*Actuator, Linear	312-0236	2	240/480 Volt, 3 Phase, 4 Wire	
			60 Hertz	312-0204	2	220/380 Volt, 3 Phase, 4 Wire	
	306-3109	1	120 Volt, 1 Phase, 2 Wire	312-0236	2	277/480 Volt, 3 Phase, 4 Wire	
	306-3112	1	120/240 Volt, 1 Phase, 3 Wire	312-0205	2	347/600 Volt, 3 Phase, 4 Wire	
	306-3111	1	120/208 Volt, 3 Phase, 4 Wire			50 Hertz	
	306-3112	1	120/240 Volt, 3 Phase, 4 Wire	312-0206	1	220 Volt, 1 Phase, 2 Wire	
	306-3115	1	240/480 Volt, 3 Phase, 4 Wire	312-0206	1	115/200 Volt, 1 Phase, 3 Wire	
	306-3114	1	220/380 Volt, 3 Phase, 4 Wire	312-0206	2	220/380 Volt, 3 Phase, 4 Wire	
	306-3115	1	277/480 Volt, 3 Phase, 4 Wire	312-0206	1	120/208 Volt, 3 Phase, 4 Wire	
	306-3113	1	347/600 Volt, 3 Phase, 4 Wire	312-0204	2	240/416 Volt, 3 Phase, 4 Wire	
			50 Hertz	18	815-0029	AR	*Screw, Flat Head - Cross Recessed (#6 - 32 x 3/4")
	306-3112	1	220 Volt, 1 Phase, 2 Wire	19	870-0131	AR	*Nut, Hex - W/ET Washer (#10 - 32)
	306-3112	1	115/200 Volt, 1 Phase, 3 Wire	20	306-3418	2	*Bracket, Terminal
	306-3112	1	220/380 Volt, 3 Phase, 4 Wire	21	526-0016	4	*Washer, Flat (1/4)
	306-3111	1	120/208 Volt, 3 Phase, 4 Wire	23	332-0942	4	*Tie, Cable
	306-3114	1	240/416 Volt, 3 Phase, 4 Wire	24			*Barrier, Lug
13	306-3400-02	2	*Rod-End, Actuator	306-3099	1	3 Pole	
14			*Breaker, Circuit	306-3099	2	4 Pole	
			60 Hertz	25			*Cover, Lug
	320-0613	1	120 Volt, 1 Phase, 2 Wire	306-3127-01	1	3 Pole	
	320-0608	1	120/240 Volt, 1 Phase, 3 Wire	306-3428-01	1	4 Pole	
	320-0608	1	120/208 Volt, 3 Phase, 4 Wire	26	332-2903	2	Strip, Marker
	320-0608	1	120/240 Volt, 3 Phase, 4 Wire				

\* Parts included in Transfer Switch Assembly.

# Switch Assembly

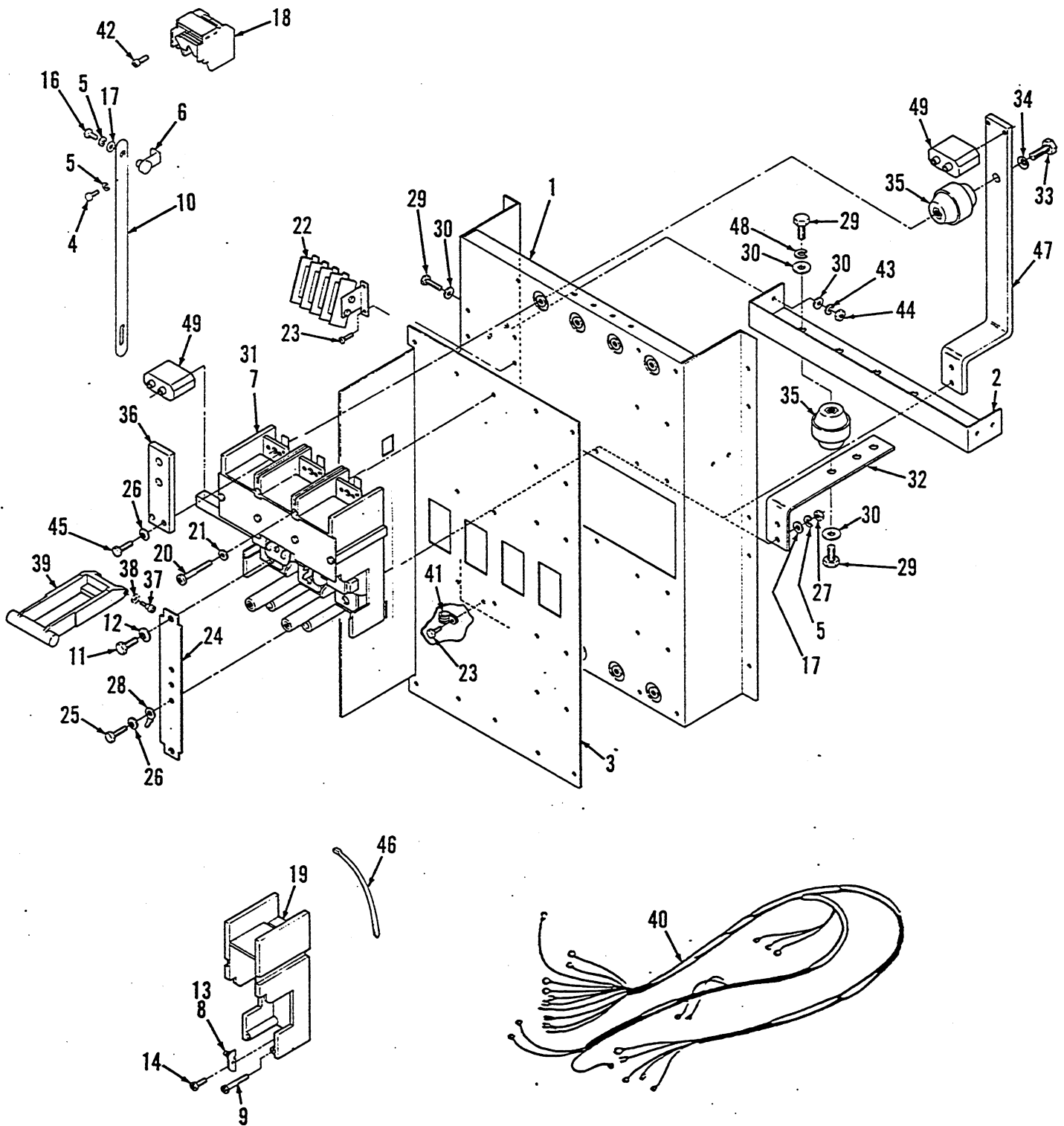


# Switch Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Switch Assembly (Includes Parts Marked *)	20	815-0656	8	*Screw, Round Head (1/4 - 20 x 2-3/4")
	306-3425-01	1	300 & 400 Amp	21	526-2081	8	*Washer, Flat (#6)
	306-3427-01	1	4 Pole	22	306-3417	2	*Switch Assembly, Auxiliary (See Separate Page for Components)
			600 Amp	23	815-0652	9	*Screw, Hex Head (#10 - 32 x 1/2")
	306-3425-02	1	3 Pole	24			*Strap, Jumper
	306-3427-02	1	4 Pole		337-1941	3	3 Pole
1	306-3415	1	*Base, Mounting		337-1941	4	4 Pole
3	306-3416	1	*Barrier, Base - Mounting	25			*Screw, Cap - Hex Head (1/4 - 20 x 1-1/4")
4	800-0002	2	*Screw, Cap - Hex Head (1/4 - 20 x 3/8")		800-0008	6	3 Pole
5			*Washer, Lock (1/4)		800-0008	8	4 Pole
	850-0040	10	3 Pole	26			*Washer, Conical (1/4)
	850-0040	12	4 Pole		851-0027	6	3 Pole
6	306-0509	1	*Arm, Interlock - Left Hand		851-0027	8	4 Pole
7			*Block & Crossbar Assembly, Emergency (See Separate Page for Components)	27			*Nut, Hex (1/4 - 20)
	306-3414-02	1	3 Pole		862-0001	6	3 Pole
	306-3414-04	1	4 Pole		862-0001	8	4 Pole
8	306-0384	1	*Support, Right Hand (Only Used on 4 Pole Units)	28			*Terminal - Ring
9	815-0653	8	*Screw, Round Head (#10 - 32 x 1-3/4") (Only Used on 4 Pole Units)		332-2462	3	3 Pole
10	306-3107	1	*Bar, Interlock		332-2462	4	4 Pole
11			*Screw, Cap - Hex Head (5/16 - 18 x 1")	29			*Screw, Cap - Hex Head (3/8 - 16 x 3/4") (Rear Connect Only)
	800-0028	6	3 Pole		800-0048	7	3 Pole
	800-0028	8	4 Pole		800-0048	8	4 Pole
12			*Washer, Conical (5/16)	30			*Washer, Flat (3/8)
	851-0028	6	3 Pole		526-0030	3	3 Pole
	851-0028	8	4 Pole		526-0030	4	4 Pole
13	306-0382	1	*Support, Left Hand (Only Used on 4 Pole Units)	31			*Block & Crossbar Assembly, Normal (See Separate Group For Components)
14	813-0142	2	*Screw, Round Head - W/IT Washer (#10 - 32 x 3/4") (Only Used on 4 Pole Units)		306-3414-01	1	3 Pole
15	306-0510	1	*Arm, Interlock - Right Hand		306-3414-03	1	4 Pole
16	800-0003	2	*Screw, Cap - Hex Head (1/4 - 20 x 1/2")	33			*Screw, Cap - Hex Head (3/8 - 16 x 1")
17			*Washer, Flat (1/4)		800-0050	3	3 Pole
	526-0018	8	3 Pole		800-0050	4	4 Pole
	526-0018	10	4 Pole	34			*Washer, Conical (3/8)
18	306-3030	2	*Chute, Arc (Only Used on 4 Pole Units)		851-0022	3	3 Pole
19	306-3423	2	*Block & Contact Assembly (Only Used on 4 Pole Units)		851-0022	4	4 Pole
				35			*Standoff-Insulator
					332-2512	3	3 Pole
					332-2512	4	4 Pole
				37	815-0485	4	*Screw, Shoulder (#10-32)
				38	850-0030	4	*Washer, Lock (#10)

\* Parts Included in Switch Assembly.

# Switch Assembly

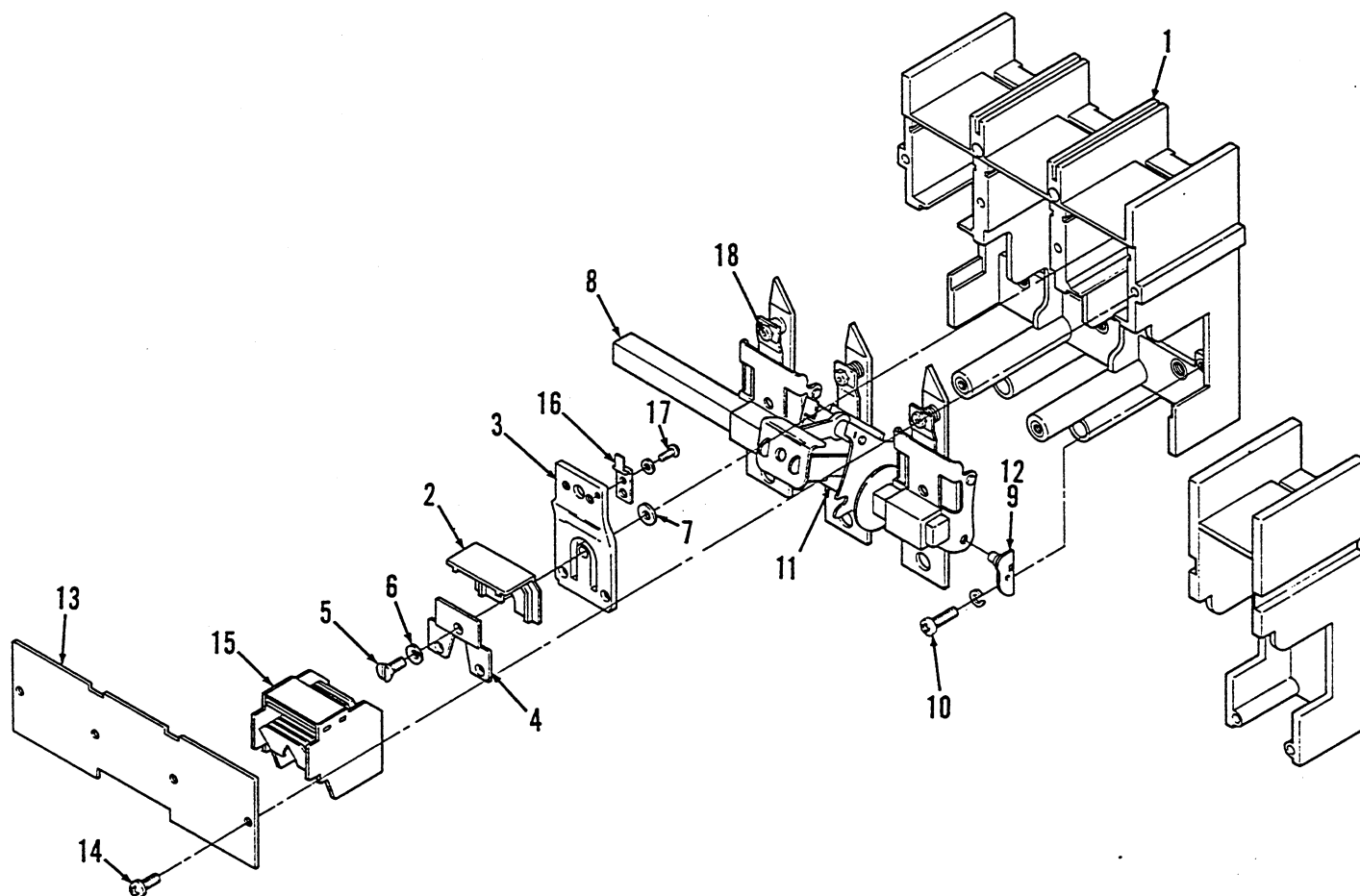


## Switch Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
39	306-1372	2	*Handle Assembly, Actuator (See Separate Page for Components)	46	332-1445	4	*Tie, Cable
40	338-2039	1	*Harness, Wiring - Switch Assembly	47			*Strap, Load
41	332-2352	1	*Clamp		337-1940	3	3 Pole
42	815-0157	2	*Screw, Socket Head (#10 - 32 x 1/4") (Only Used on 4 Pole Units)		337-1940	4	4 Pole
43			*Washer, Lock (3/8)	48			*Washer, Lock - ET (3/8)
	850-0050	7	3 Pole		853-0018	3	3 Pole
	850-0050	8	4 Pole		853-0018	4	4 Pole
44	862-0003	4	*Nut, Hex (3/8 - 16)	49			*Lug, Solderless 300 & 400 Amp
45			*Screw, Cap - Hex Head (1/4 - 20 x 3/4")		332-2704	9	3 Pole
	800-0005	12	3 Pole		332-2704	12	4 Pole
	800-0005	16	4 Pole				600 Amp
					332-2660	9	3 Pole
					332-2660	12	4 Pole

\*Parts Included In Switch Assembly.

# **Block & Cross Bar Assembly (Normal & Emergency)**

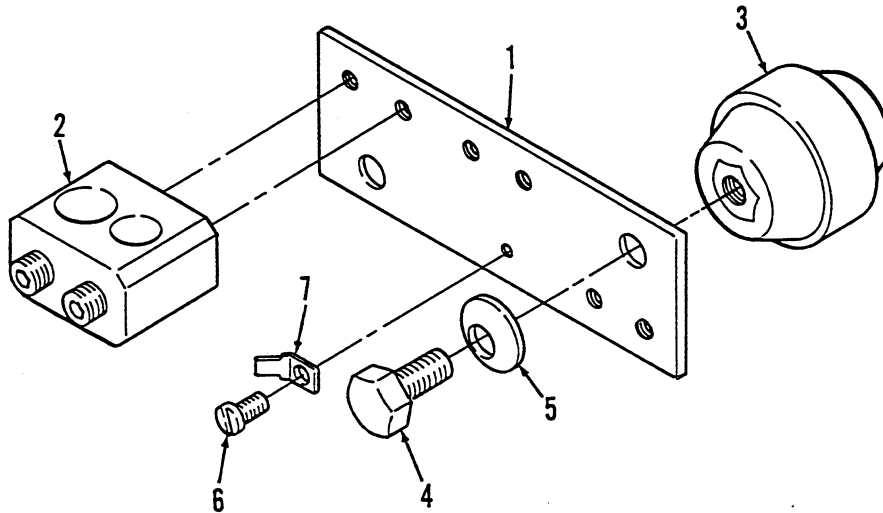


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Block & Cross Bar Assembly (Includes Parts Marked *)
	306-3414-01	1	3 Pole Normal
	306-3414-02	1	Emergency
	306-3414-03	1	4 Pole Normal
	306-3414-04	1	Emergency
1	306-3105	1	*Block Assembly, Component
2	306-3032	3	*Boot, Insulator - Molded
3	306-3104	3	*Strap, Line - Modified
4	306-3031	3	*Runner-Arc
5	815-0558	9	*Screw, Machine - Flat Head (#8 - 32 x 3/4")
6	855-0004	6	*Washer, Lock - W/ET (#8)
7	526-0009	3	*Washer, Flat
8			*Cross Bar Assembly
	306-3410	1	3 Pole Normal
	306-3411	1	Emergency
	306-3412	1	4 Pole Normal
	306-3413	1	Emergency

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
9	306-0384	1	*Support, Right Hand
10	813-0142	6	*Screw, Lock - Round Head (#10 - 32 x 3/4")
11	306-3106	1	*Lock, Trigger
12	306-0382	1	*Support, Left Hand
13			*Cover, Chute - Arc
	306-3097	1	3 Pole
	306-3422	1	4 Pole
14	815-0527	4	*Screw, Machine - Pan Head
15	306-3030	3	*Chute, Arc
16	332-2834	3	*Terminal
17	815-0285	3	*Screw, Round Head - W/ET Wash (#8 - 32 x 5/16")
18	815-0157	3	*Screw, Socket Head (#10 - 32 x 1/4")

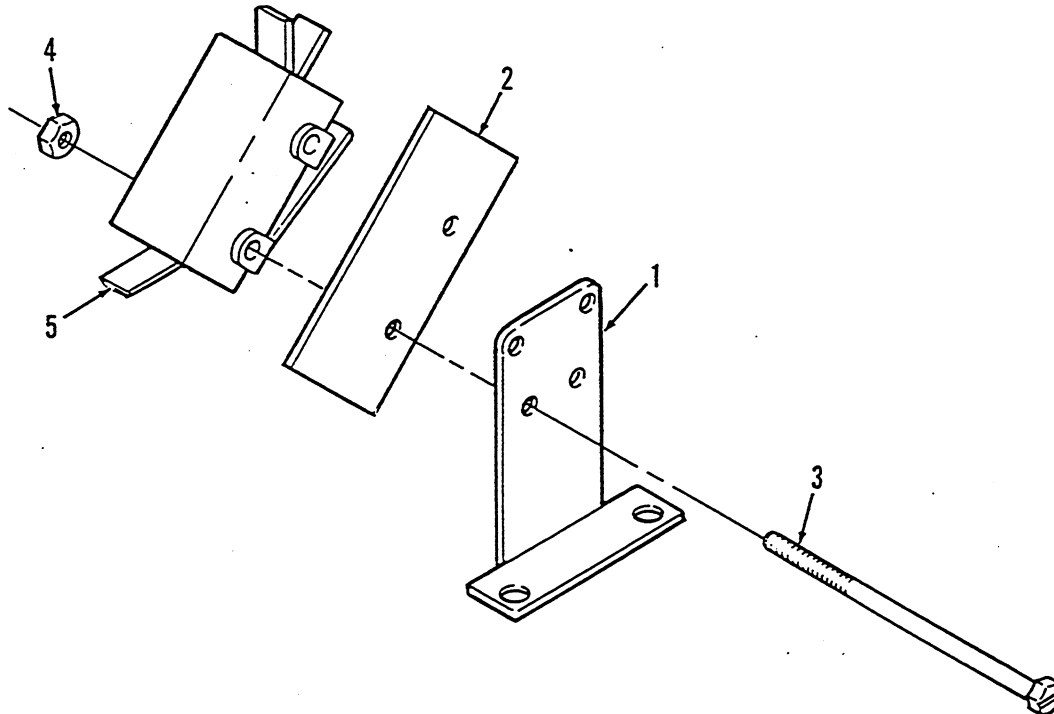
\* Parts included in Block & Cross Bar Assembly.

# Neutral Bar



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	337-2352	1	Bar, Neutral	5	851-0022	4	Spring, Disc - Conical (3/8)
2	332-2704	3	Lug, Solderless	6	815-0285	1	Screw, Machine - Round Head
	332-2660	3	300 & 400 Amp				W/ET (#8 - 32 x 5/8")
			600 Amp	7	332-2834	1	Terminal, Tab (.25)
3	332-2512	4	Insulator, Standoff				
4	800-0049	4	Screw, Cap - Hex Head (3/8 - 16 x 7/8")				

# Auxiliary Switch Assembly

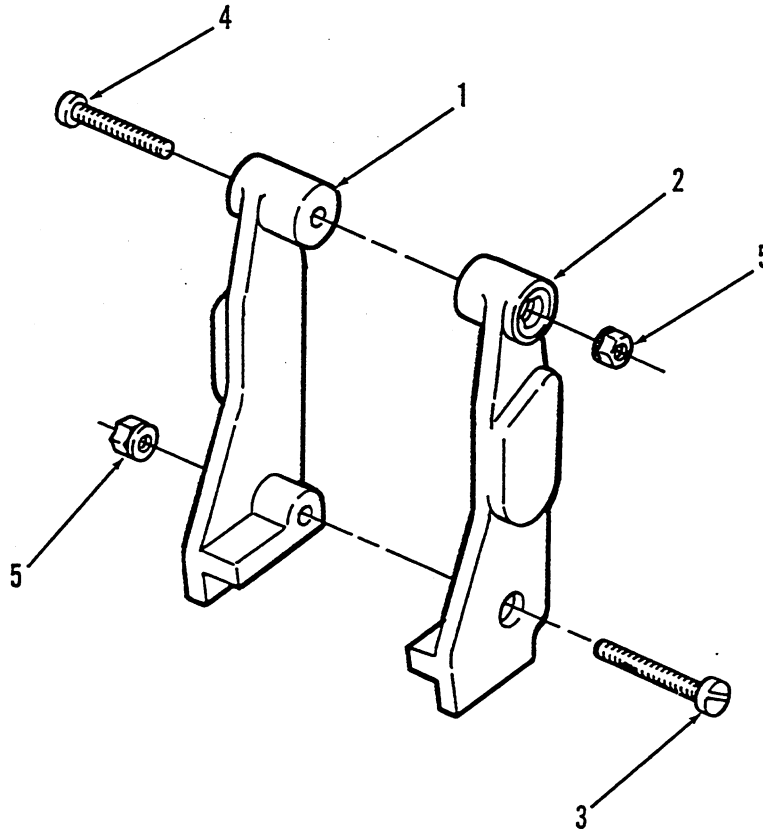


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	306-3417	2	Switch Assembly, Auxiliary (Includes Parts Marked *)
1	306-3420	2	*Bracket, Switch - Auxiliary
2	306-3391	5	*Barrier, Switch

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	815-0686	2	*Screw, Machine - Hex Head (#6 - 32 x 3 1/4")
4	870-0201	2	*Nut, Lock (#6 - 32)
5	309-0393	4	*Switch, Snap-Action

\* Parts included in Auxiliary Switch Assembly.

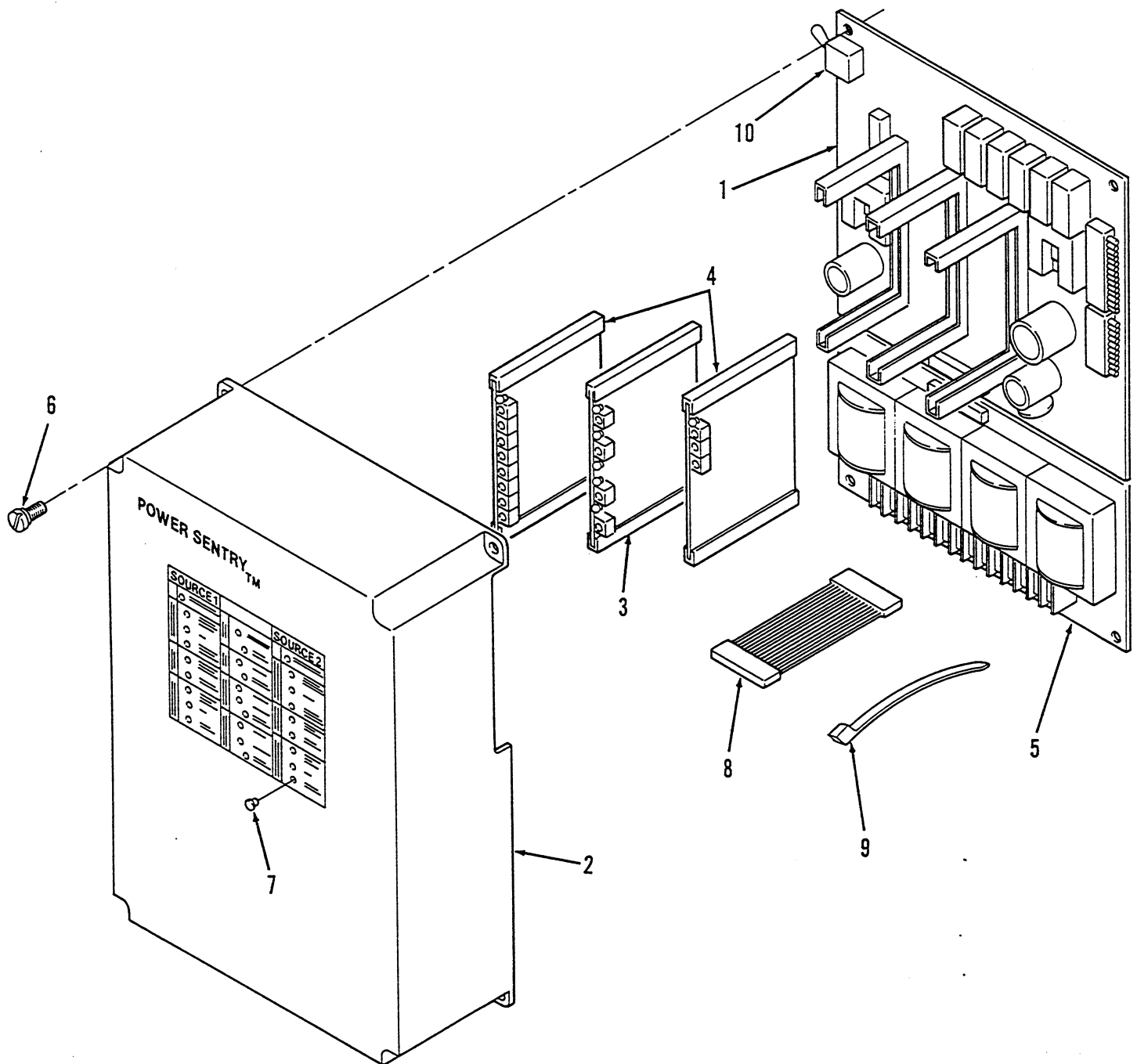
## Actuator Handle Assembly



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	306-1372	1	Handle Assembly, Actuator (Includes Parts Marked *)	4	813-0109	1	*Screw, Machine - Round Head (#10 - 32 x 1 3/4")
1	306-1341	1	*Handle, Switch - Right Hand	5	870-0298	1	*Nut, Lock (#10 - 32)
2	306-1342	1	*Handle, Switch - Left Hand	6	870-0235	1	*Nut, Lock (#8 - 32)
3	812-0090	1	*Screw, Machine - Round Head (#8 - 32 x 2 1/4")				

\* Parts included in Actuator Handle Assembly.

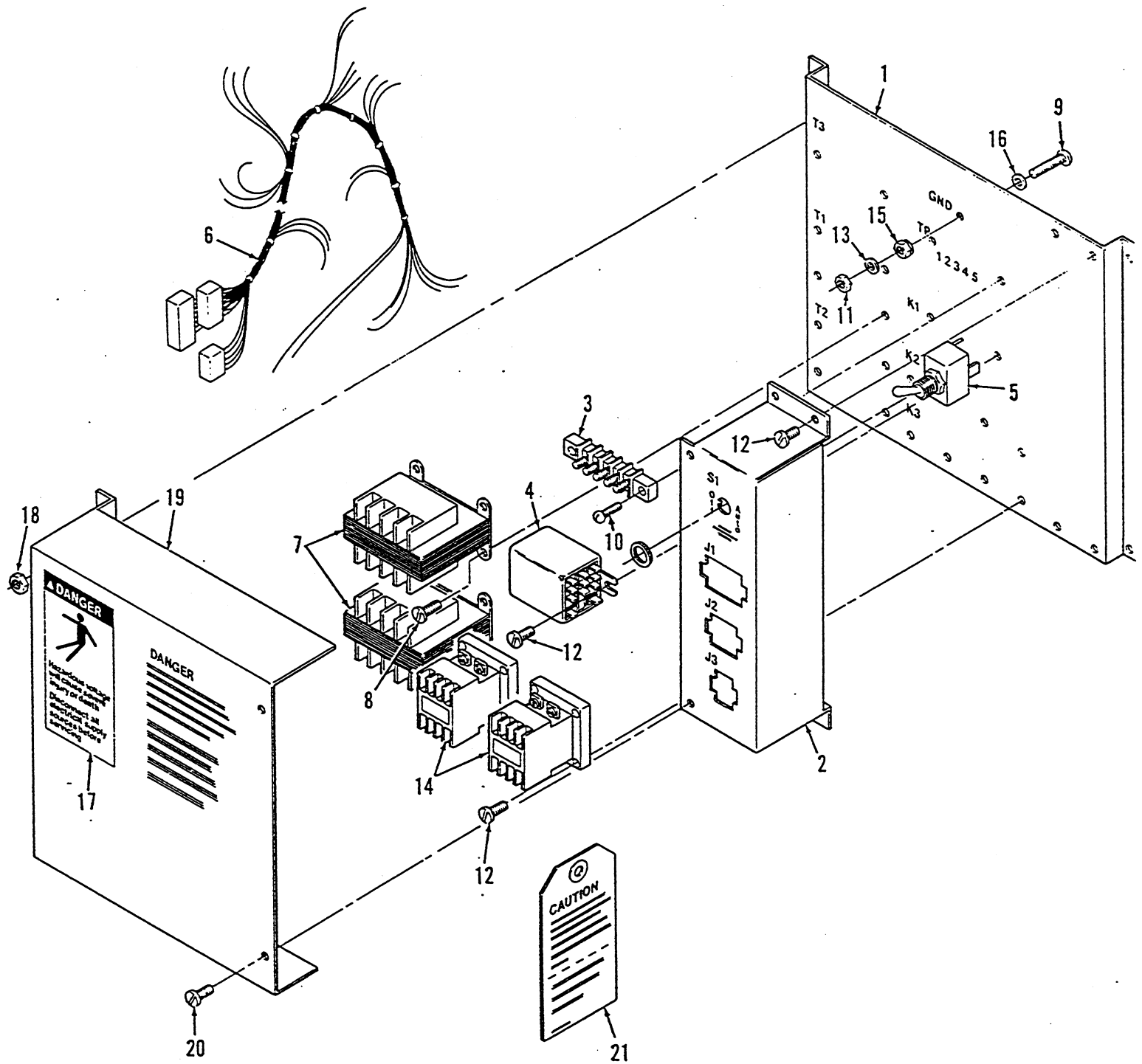
# Control Assembly



# Control Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Board, Printed Circuit - Mother				50 Hertz
	300-3090	1	Utility to Generator	300-3092	1	1	220 Volt, 1 Phase, 2 Wire
	300-3267	1	Generator to Generator	300-3092	1	1	115/200 Volt, 1 Phase, 3 Wire
2	306-3470	1	Cover, Board - Printed Circuit (Includes Decals)	300-3092	1	1	220/380 Volt, 3 Phase, 4 Wire
	98-5661	1	Decal, Cover	300-3092	1	1	120/208 Volt, 3 Phase, 4 Wire
	98-5766	1	Decal, Switch	300-3092	1	1	240/416 Volt, 3 Phase, 4 Wire
3	300-3094	1	Board, Printed Circuit - Time Delay (J2)	6	815-0544	9	Screw, Round Head - W/IT Washer (#6 - 32 x 1/2")
4			Board, Printed Circuit - Voltage Sensor (J1, J3)	7	517-0256	10	Plug, Hole
	300-3121	1	Undervoltage (50Hz & 60Hz)	8	323-1387	1	Pin and Ribbon Assembly
	300-3093-01	1	Over/Under Voltage & Over/Under Frequency (60 Hz)	9	332-1877	5	Tie, Cable
	300-3093-02	1	Over/Under Voltage & Over/Under Frequency (50 Hz)	10	308-0841	1	Switch, Toggle
5			Board, Printed Circuit - Transformer				
			60 Hertz				
	300-3119	1	120 Volt, 1 Phase, 2 Wire				
	300-3092	1	120/240 Volt, 1 Phase, 3 Wire				
	300-3092	1	120/208 Volt, 3 Phase, 4 Wire				
	300-3092	1	120/240 Volt, 3 Phase, 4 Wire				
	300-3092	1	240/480 Volt, 3 Phase, 4 Wire				
	300-3092	1	220/380 Volt, 3 Phase, 4 Wire				
	300-3092	1	277/480 Volt, 3 Phase, 4 Wire				
	300-3118	1	347/600 Volt, 3 Phase, 4 Wire				

# Accessory Control Plate (All Voltages Except 600)



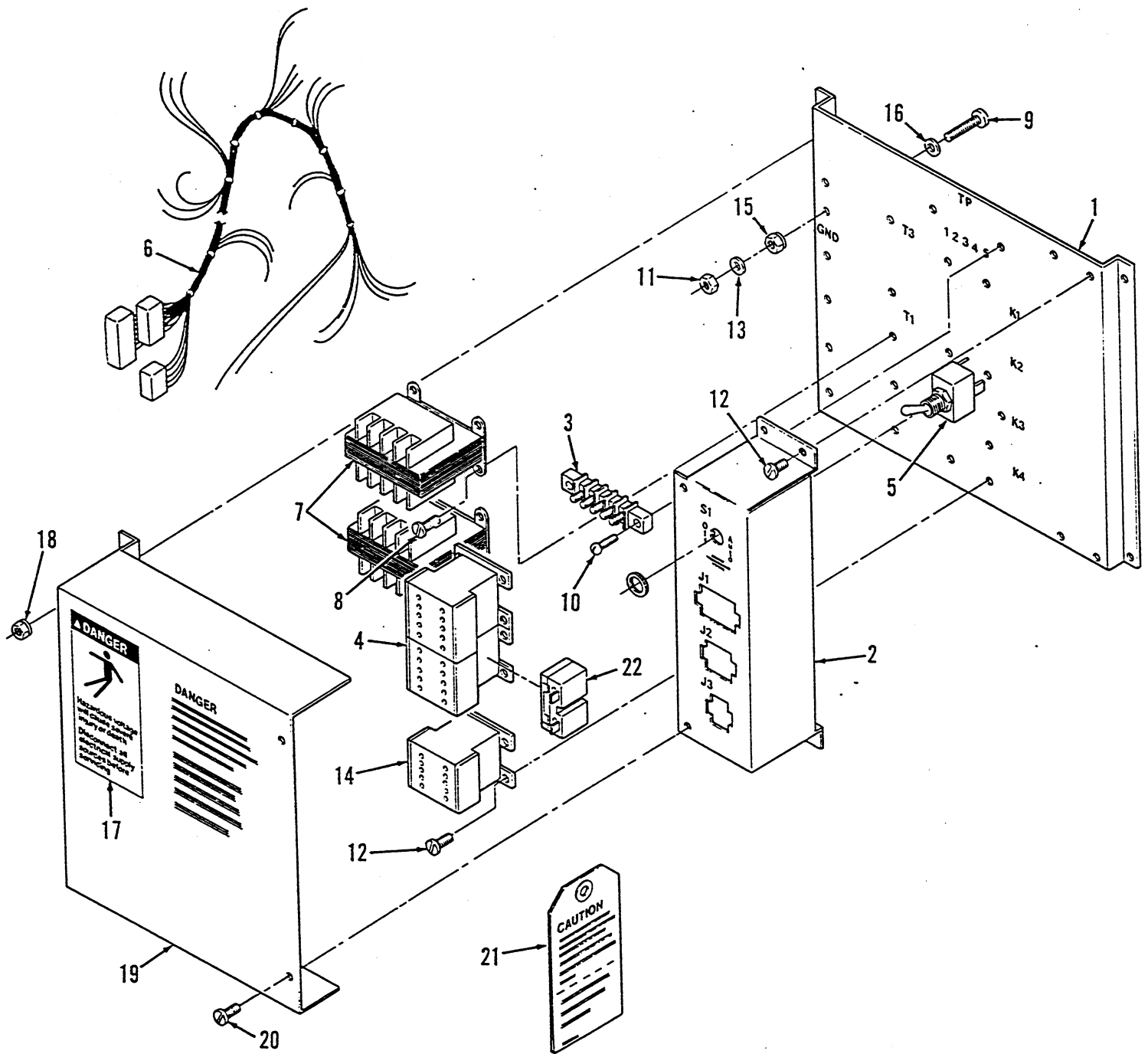
# Accessory Control Plate (All Volts Except 600)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-9754	1	Plate, Door (Excludes Decal)	7			Transformer, Power - T1, T2
	98-5773	1	* Decal				60 Hertz
	98-5680	1	Standard	315-0655-01	2		120 Volt, 1 Phase,
2	301-9774	1	Load Shed				2 Wire
	98-5681	1	Bracket (Includes Decal)	315-0655-02	2		120/240 Volt, 1 Phase,
3	332-2884	1	Decal, Bracket				3 Wire
4		1	Block, Terminal	315-0655-02	2		120/208 Volt, 3 Phase,
			@*Relay, 3 PDT - 24 VAC				4 Wire
	307-2575	2	Standard (K1, K2)	315-0655-02	2		120/240 Volt, 3 Phase,
	307-2575	1	Load Shed From Emergency (K1)				4 Wire
5	308-0406	1	Switch, Toggle - DPDT	315-0655-02	2		240/480 Volt, 3 Phase,
6			*Harness, Wiring - Main				4 Wire
			Standard	315-0655-03	2		220/380 Volt, 3 Phase,
			60 Hertz				4 Wire
	338-2073	1	120 Volt, 1 Phase,	315-0655-02	2		277/480 Volt, 3 Phase,
			2 Wire				4 Wire
	338-2064	1	120/240 Volt, 1 Phase,	315-0655-03	2		347 Volt, 3 Phase,
			3 Wire				4 Wire
	338-2064	1	120/208 Volt, 3 Phase,				50 Hertz
			4 Wire	315-0655-02	2		220 Volt, 1 Phase,
	338-2064	1	120/240 Volt, 3 Phase,				2 Wire
			4 Wire	315-0655-02	2		115/200 Volt, 1 Phase,
	338-2064	1	240/480 Volt, 3 Phase,				3 Wire
			4 Wire	315-0655-03	2		220/380 Volt, 3 Phase,
	338-2064	1	220/380 Volt, 3 Phase,				4 Wire
			4 Wire	315-0655-02	2		120/208 Volt, 3 Phase,
	338-2064	1	277/480 Volt, 3 Phase,				4 Wire
			4 Wire	315-0655-03	2		240/416 Volt, 3 Phase,
	338-2064	1	347 Volt, 3 Phase,				4 Wire
			4 Wire	8	821-0040	8	Screw, Self-Locking - Flanged
			50 Hertz				(#10 - 32 x 5/16")
	338-2064	1	220 Volt, 1 Phase,	9	810-0085	1	Screw, Machine - Round Head
			2 Wire				Brass ((#8 - 32 x 1 1/8")
	338-2064	1	115/200 Volt, 1 Phase,	10	815-0539	2	Screw, Machine - Round Head
			3 Wire				W/IT (#8 - 32 x 5/8")
	338-2064	1	220/380 Volt, 3 Phase,	11	860-0008	1	Nut, Hex (#8 - 32)
			4 Wire	12	815-0555	14	Screw, Pan Head - W/ET (#6 -
	338-2064	1	120/208 Volt, 3 Phase,				32 x 3/8")
			4 Wire	13	526-0048	1	Washer, Flat (#8)
	338-2064	1	240/416 Volt, 3 Phase,	14	307-2648	2	@Relay, 4 Pole - 24 VAC (Only
			4 Wire				Used On Load Shed From
			Load Shed From Emergency				Emergency Units) (K2, K4)
			60 Hertz	15	870-0221	1	Nut, Lock - W/ET (#8 - 32)
	338-2099	1	120 Volt, 1 Phase,	16	856-0002	1	Washer, Lock - W/EIT (#8)
			2 Wire	17	98-5387	4	Label, Danger
	338-2100	1	120/240 Volt, 1 Phase,	18	870-0131	6	Nut, Lock - W/ET (#10 - 32)
			3 Wire	19	301-9961	1	Shield (Includes Decal)
	338-2100	1	120/208 Volt, 3 Phase,		98-5699	1	Decal
			4 Wire	20	815-0544	8	Screw, Round Head - W/IT
	338-2100	1	120/240 Volt, 3 Phase,				(#6 - 32 x 1/2")
			4 Wire	21	98-5589	1	Label, Caution
	338-2100	1	240/480 Volt, 3 Phase,				
			4 Wire				
	338-2100	1	220/380 Volt, 3 Phase,				
			4 Wire				
	338-2100	1	277/480 Volt, 3 Phase,				
			4 Wire				
	338-2100	1	347 Volt, 3 Phase,				
			4 Wire				
			50 Hertz				
	338-2100	1	220 Volt, 1 Phase,				
			2 Wire				
	338-2100	1	115/200 Volt, 1 Phase,				
			3 Wire				
	338-2100	1	220/380 Volt, 3 Phase,				
			4 Wire				
	338-2100	1	120/208 Volt, 3 Phase,				
			4 Wire				
	338-2100	1	240/416 Volt, 3 Phase,				
			4 Wire				
	338-2343	1	Non-Automatic (120 Volt Only)				

\* Load Shed Units Use Reference #14

@ Note: If Customer requests K2 Relay.  
Is K4 filled, supply 307-2648.  
If not, supply 307-2575.

# Accessory Control Plate (600 Volts Only)

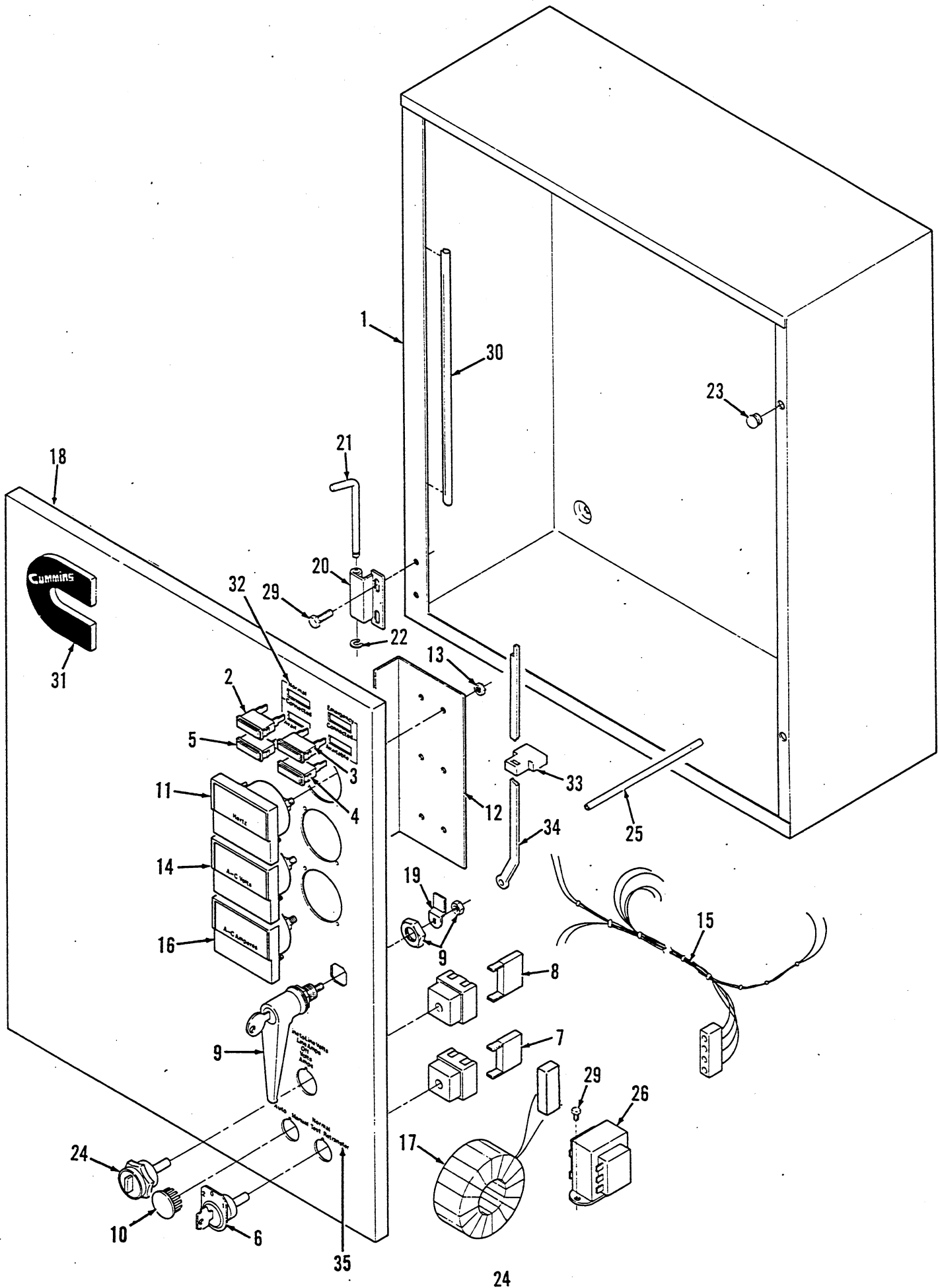


# **Accessory Control Plate (600 Volts Only)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-0009	1	Plate (Includes Decal)	11	860-0008	1	Nut, Hex (#8 - 32)
	98-5734	1	Decal	12	815-0550	6	Screw, Pan Head - Cross Recessed W/ET (#6 - 32 x 3/8")
2	301-9774	1	Bracket (Includes Decal)				
	98-5681	1	Decal	13	526-0048	1	Washer, Flat (#8)
3	332-2884	1	Block, Terminal	14	307-2648	1	Relay, 4 Pole - 24 VAC (Load Shed From Emergency Units)
4	307-2597	1	Contactors, Interlocking (24V AC)	15	870-0221	1	Nut, Lock - W/ET (#8 - 32)
5	308-0406	1	Switch, Toggle	16	856-0002	1	Washer, Lock - W/EIT (#8)
6			*Harness, Wiring - Main (600V)	17	98-5387	4	Label, Danger
	338-2074	1	Standard	18	870-0131	6	Nut, Lock - W/ET (#10 - 32)
	338-2101	1	Load Shed From Emergency	19	301-9961	1	Shield (Includes Decal)
	338-2343	1	Non-Automatic		98-5699	1	Decal
7	315-0655-04	2	Transformer, Power - T1, T2	20	815-0544	8	Screw, Machine - Round Head W/IT (#6 - 32 x 1/2")
8	821-0040	8	Screw, Self-Locking - Flanged (#10 - 32 x 5/16")	21	98-5589	1	Label, Caution
9	810-0085	1	Screw, Machine - Round Head (#8 - 32 x 1-1/8")	22	307-2600-01	1	Block, Auxiliary
10	815-0538	2	Screw, Machine - Round Head Cross-Recessed W/IT (#8 - 32 x 5/8")				

\* Load Shed Units Use Reference #14.

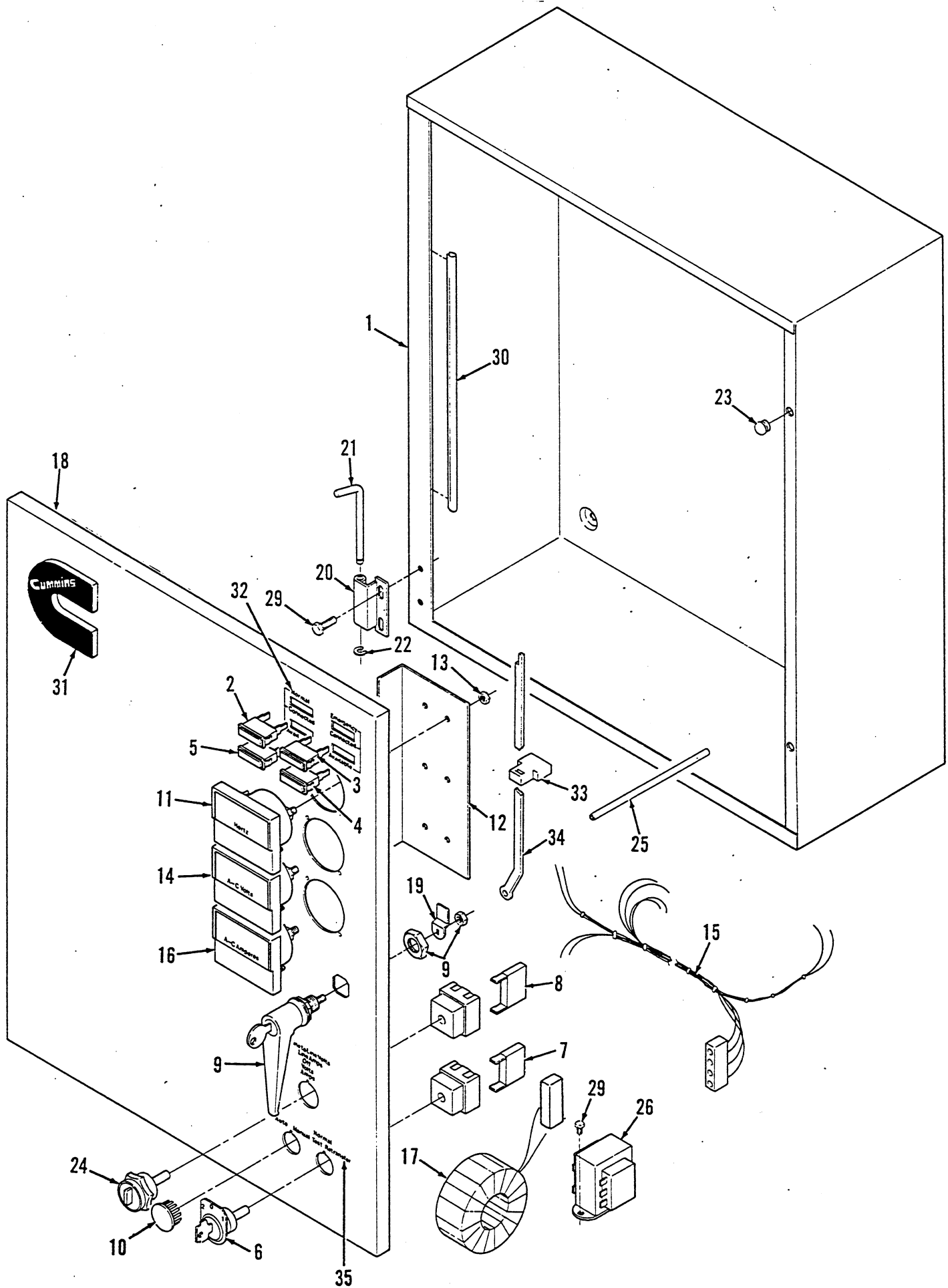
# Door and Cabinet



# Door And Cabinet

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-9773	1	Cabinet, Control	15			Harness, Wiring - Meter
	319-0382	1	NEMA 1				60 Hertz
	319-0177	1	NEMA 3	338-2135	1		120 Volt, 1 Phase,
2	322-0170	1	NEMA 4				2 Wire
			Light, Indicating - Normal	338-2136	1		120/240 Volt, 1 Phase,
			(Green)				3 Wire
3	322-0137	1	Light, Indicating - Emergency	338-2136	1		120/208 Volt, 3 Phase,
			(Red)				4 Wire
4	322-0387-02	1	Light, Indicating - Emergency	338-2136	1		120/240 Volt, 3 Phase,
			Source Available (Clear)				4 Wire
5	322-0168	1	Light, Indicating - Normal	338-2065	1		240/480 Volt, 3 Phase,
			Source Available (Amber)				4 Wire
6	308-0848	1	Switch, Selector	338-2065	1		220/380 Volt, 3 Phase,
	308-0849	1	Key				4 Wire
7	308-0854	1	Block, Contact - Normally	338-2065	1		277/480 Volt, 3 Phase,
			Open				4 Wire
8	308-0850	1	Block, Contact - Normally	338-2065	1		347/600 Volt, 3 Phase,
			Closed				4 Wire
9	406-0613	1	Handle, Keyed				50 Hertz
	406-0649	1	Key (Spare)	338-2136	1		220 Volt, 1 Phase,
10	517-0137	AR	Plug, Hole				2 Wire
11	302-1720	1	Meter, Frequency - 45-65 Hz	338-2136	1		115/200 Volt, 1 Phase,
12	306-3464	1	Shield, Meter				3 Wire
13	870-0439	6	Nut, Nylon	338-2065	1		220/380 Volt, 3 Phase,
14			Meter, Volt - AC				4 Wire
			60 Hertz	338-2136	1		120/208 Volt, 3 Phase,
	302-1692	1	120 Volt, 1 Phase,				4 Wire
			2 Wire	338-2065	1		240/416 Volt, 3 Phase,
	302-1175	1	120/240 Volt, 1 Phase,				4 Wire
			3 Wire	16			Meter, Ampere
	302-1175	1	120/208 Volt, 3 Phase,	302-1805-04	1		300 Amp
			4 Wire	302-1724	1		400 Amp
	302-1175	1	120/240 Volt, 3 Phase,	302-1731	1		600 Amp
			4 Wire	17			Harness & Current Transformer
	302-1352	1	240/480 Volt, 3 Phase,				1 Phase
			4 Wire	338-2204-07	1		300 Amp
	302-1352	1	220/380 Volt, 3 Phase,	338-2204-08	1		400 Amp
			4 Wire	338-2204-09	1		600 Amp
	302-1352	1	277/480 Volt, 3 Phase,				3 Phase
			4 Wire	338-2205-07	1		300 Amp
	302-1710	1	347/600 Volt, 3 Phase,	338-2205-08	1		400 Amp
			4 Wire	338-2205-09	1		600 Amp
			50 Hertz	18			Door, Cabinet
	302-1175	1	220 Volt, 1 Phase,				NEMA 1
			2 Wire	301-9770	1		With Meter Holes
	302-1175	1	115/200 Volt, 1 Phase,	301-9832	1		Without Meter Holes
			3 Wire				NEMA 3
	302-1353	1	220/380 Volt, 3 Phase,	319-0381-01	1		With Meter Holes
			4 Wire	319-0381-02	1		Without Meter Holes
	302-1175	1	120/208 Volt, 3 Phase,				NEMA 4
			4 Wire	319-0171-01	1		With Meter Holes
	302-1353	1	240/416 Volt, 3 Phase,	319-0171-02	1		Without Meter Holes
			4 Wire				

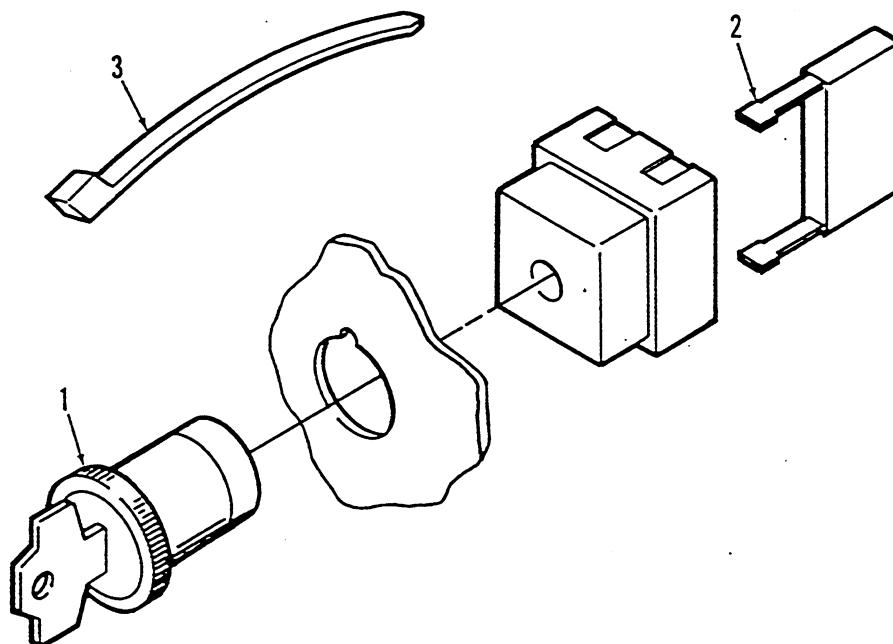
# Door and Cabinet



## Door And Cabinet

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
19	306-3466	1	Latch, Cam		98-5589	1	Label, Caution
20	406-0610-02	3	Hinge, Door		332-1348	2	Spacer, Bar - Neutral
21	406-0610-03	3	Pin, Hinge		319-0145	1	Cover, Meter
22	406-0610-04	3	Clip, Pin		319-0146	1	Gasket, Cover - Meter
23	508-0231	3	Bumper		318-0404	1	Adhesive
24	308-0747	1	Switch, Voltmeter		508-0233	AR	Washer, Rubber
25	898-0778	1	Sleeving, Insulation		870-0386	16	Nut, Acorn
26	315-0377	1	Transformer (Not Used On 120V)				Gasket
29	821-0004	4	Screw, Lock (#10 - 32 x 31")		895-0293-07	2	23.82 Lg
30	508-1045	2	Edging		895-0293-08	2	51.08 Lg
31	99-2370	1	Nameplate, Identity - Product		406-0613	1	Handle, Keyed
32	98-5693	1	Decal, Lamp		306-3467	1	Guide, Rod
33	306-3467	2	Guide, Rod		306-3466	1	Latch, Cam - 3 Point
34	306-3468-02	2	Roller, Rod		526-0022	7	Washer, Flat
35			Decal, Door		812-0177	8	Screw, RHM
	98-5696	1	Units with Switch		406-0519	8	Spring, Conical
	98-5697	1	Units without Switch		301-6727	8	Bracket, Door
	98-5387	1	Label, Danger		98-5777-01	1	Label, Warning
	98-2472	1	Label, UL		517-0266	AR	Plug, Hole
	870-0131	11	Nut, Hex		306-3464	1	Shield, Meter
	301-9961	1	Shield and Silkscreen Assembly		870-0439	1	Nut, Acorn
	332-2877	5	Tie, Cable		98-5811	1	Tag, Caution
	870-0257	6	Nut, Lock		525-0551	1	Paint, 13 oz. Spray Can
	815-0544	2	Screw, RH				(Beige)

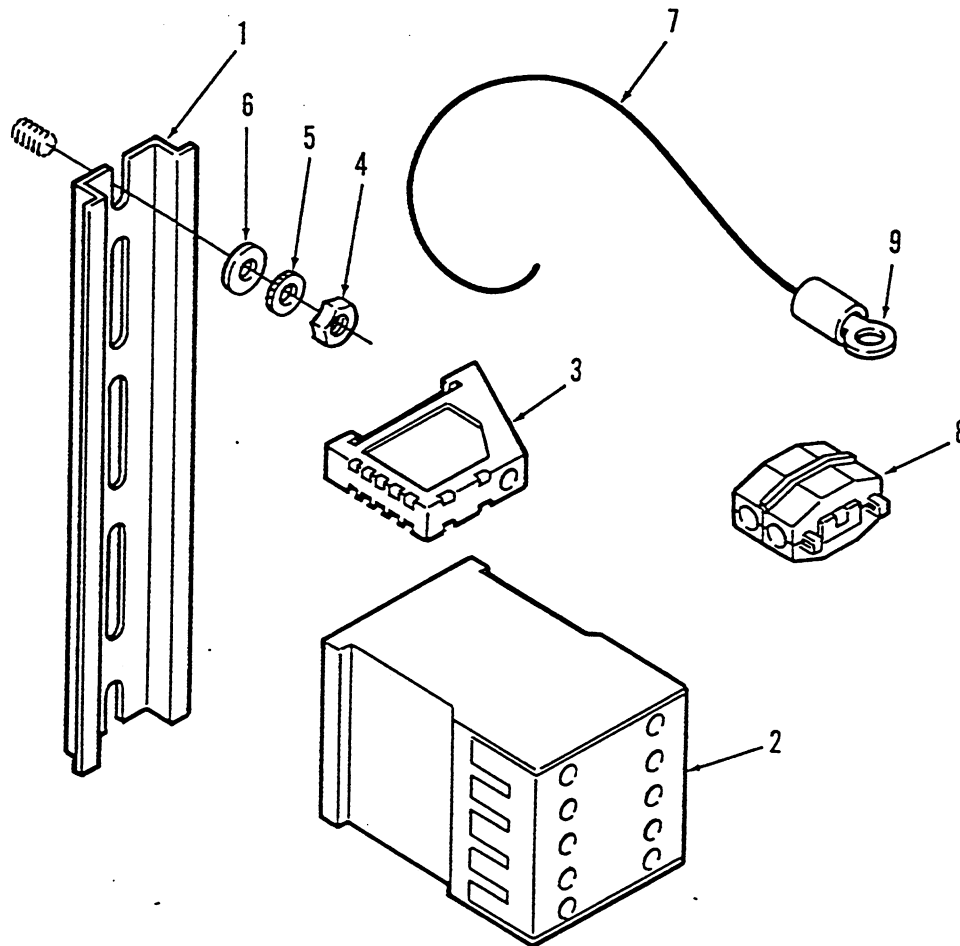
# Auto/Manual Switch



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	308-0851	1	Switch, Selector (Includes Key)
	308-0849	1	Key, Switch - Selector

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2	308-0850	1	Block, Contact - Normally Closed
3	332-0942	10	Tie, Cable

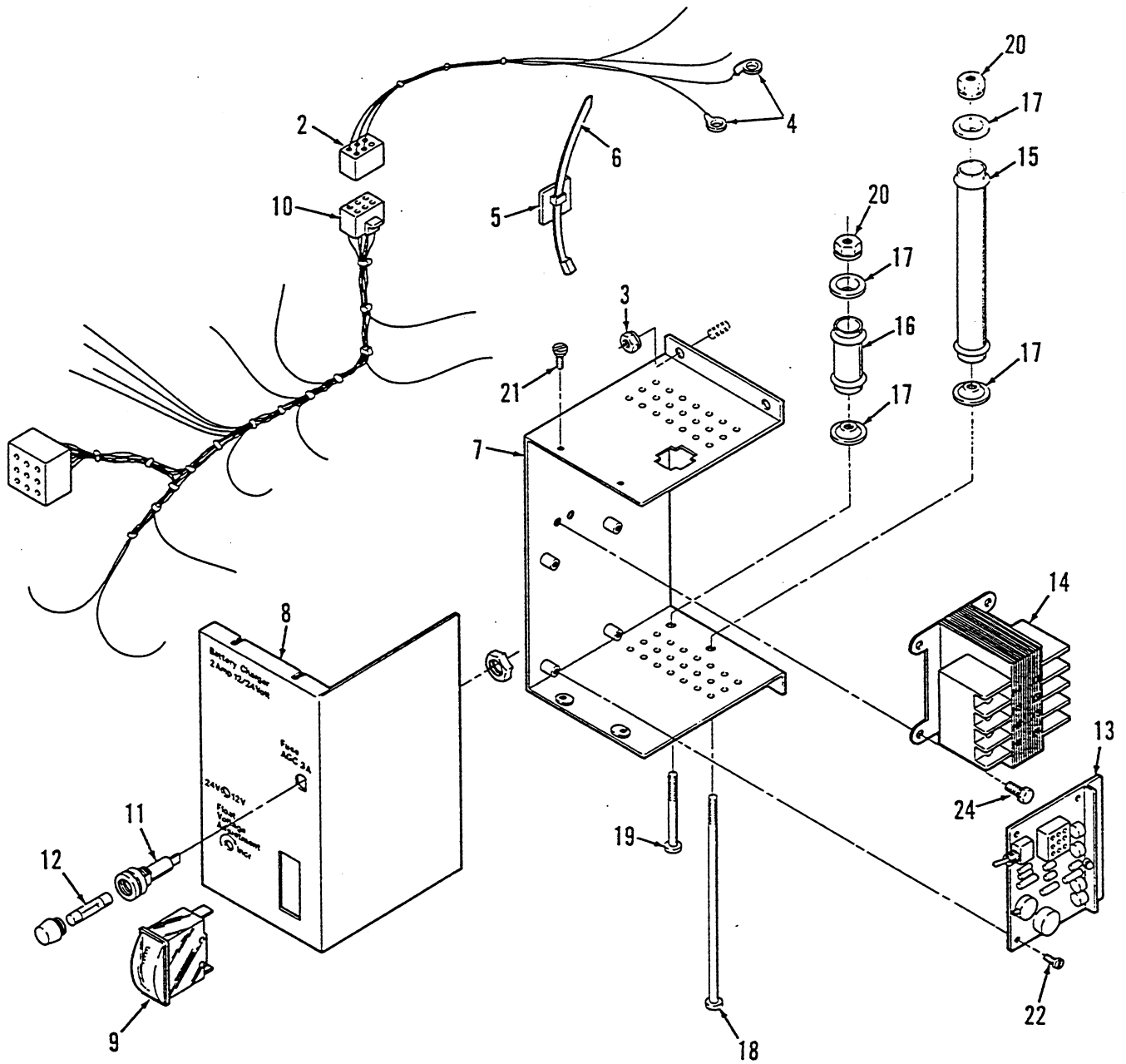
## Auxiliary Relay



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2879-02	1	Rail, Terminal
2	307-2578	1	Relay, Control
	307-2582	1	24 VAC
	307-2583	1	12 VDC
	307-2583	1	24 VDC
3	332-2878	2	Bracket, End

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	860-0008	2	Nut, Hex (#8 - 32)
5	853-0005	2	Washer, Lock - ET (#8)
6	526-0003	2	Washer, Flat (#8)
7	334-1842	1	Wire, 16 AWG - 600V TEW (12')
8	332-2230	1	Terminal, Tap - Plier
9	332-0802	1	Terminal, Ring (#8)

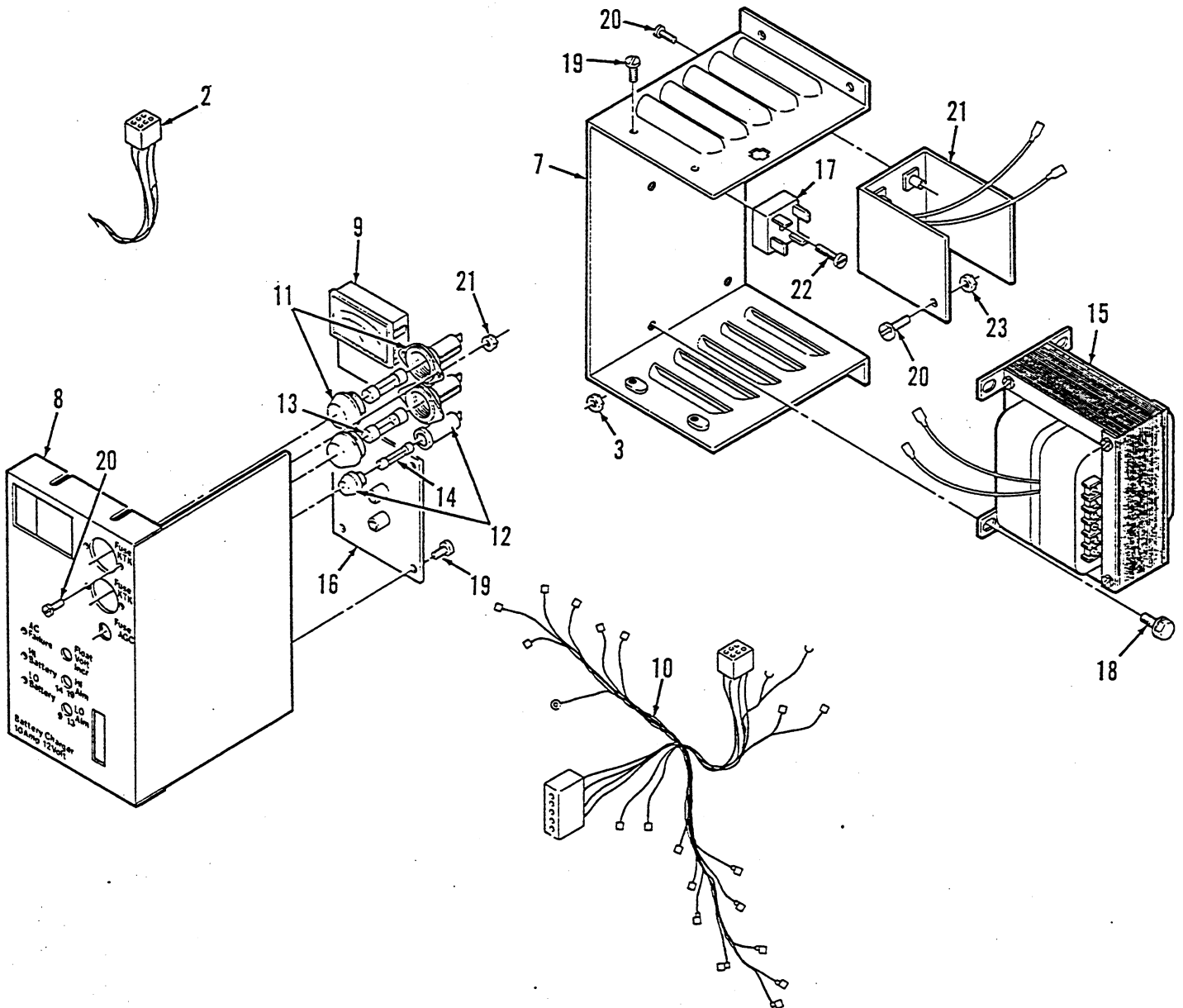
# Battery Charger (2 Amp)



# Battery Charger ( 2 Amp)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2	338-2161	1	Harness, Wiring - Battery Charger	15	304-0037	1	Resistor, Fixed
3	870-0131	4	Nut, Lock - W/ET Washer (#10 - 32)	16	304-0139	1	Resistor, Fixed
4	332-2777	2	Terminal, Spade	17	304-0015	4	Washer, Centering
5	332-2420	8	Mount, Tie - Cable	18	813-0116	1	Screw, Round Head (#10 - 32 x 6 1/2")
6	332-0942	20	Tie, Cable	19	813-0112	1	Screw, Round Head (#10 - 32 x 2 1/2")
7	301-9990	1	Wrapper, Charger - Battery	20	870-0131	2	Nut, Lock - W/ET Washer (#10 - 32)
8	301-9992	1	Cover, Charger - Battery (Includes Decal)	21	815-0550	4	Screw, Pan Head - W/ET Washer (#6 - 32 x 3/8")
	98-5708	1	Decal	22	815-0549	4	Screw, Pan Head - W/ET Washer (#6 - 32 x 1/4")
9	302-0807	1	Meter, Ampere - DC	24	821-0040	4	Screw, Lock (#10 - 32 x 5/16)
10	338-2149	1	Harness, Wiring - Battery Charger				
11	321-0175	1	Holder, Fuse				
12	321-0153	1	Fuse, 3 Amp				
13	300-2946	1	Board, Printed Circuit - Battery Charger				
	308-0816	1	Switch, Toggle - 3 PDT				
14			Transformer (Primary Voltage)				
			60 Hertz				
	315-0621-01	1	120 Volt				
	315-0621-02	1	208 Volt				
	315-0621-02	1	240 Volt				
	315-0621-03	1	380 Volt				
	315-0621-02	1	480 Volt				
	315-0621-04	1	600 Volt				
			50 Hertz				
	315-0621-02	1	200 Volt				
	315-0621-02	1	208 Volt				
	315-0621-02	1	220 Volt				
	315-0621-03	1	380 Volt				
	315-0621-03	1	416 Volt				

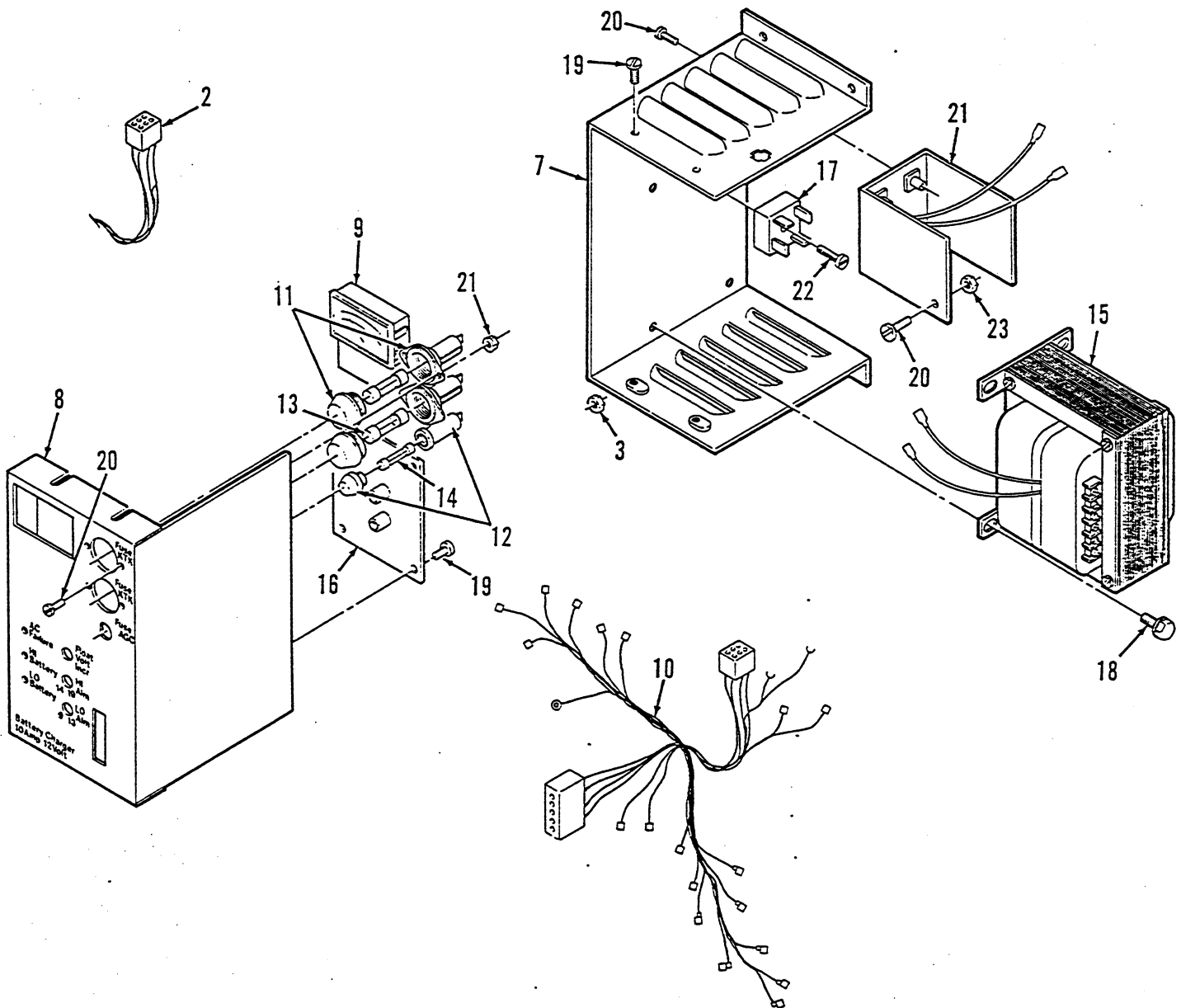
# Battery Charger (10 Amp) (12 Volt)



# **Battery Charger (10 Amp) (12 Volt)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	98-4339	1	Label, Option	14	321-0146	1	Fuse, 15 Amp
2	338-2161	1	Harness, Wiring - Battery Charger	15			Transformer (Primary Voltage)
3	870-0131	4	Nut, Lock - W/ET Washer (#10 - 32)		315-0665	1	60 Hertz
4	332-2777	2	Terminal, Spade		315-0665	1	120 Volt
5	332-2420	8	Mount, Tie - Cable		315-0665	1	208 Volt
6	332-0942	20	Tie, Cable		315-0671	1	240 Volt
7	319-0072	1	Wrapper, Charger - Battery		315-0673	1	380 Volt
8	319-0073	1	Cover, Charger - Battery		315-0675	1	480 Volt
			Decal				600 Volt
			500 Volt		315-0667	1	50 Hertz
	98-5807	1	4.5 Amp		315-0669	1	200 Volt
	98-5808	1	2.5 Amp		315-0677	1	220 Volt
	98-5809	1	2.0 Amp		315-0679	1	240 Volt
	98-5995	1	1.5 Amp		315-0667	1	347 Volt
	98-5996	1	1.0 Amp		315-0667	1	380 Volt
			600 Volt		315-0669	1	400 Volt
	98-6039	1	1.0 Amp		315-0669	1	416 Volt
9	302-1844	1	Meter, Ampere - DC		315-0669	1	440 Volt
10	338-2223	1	Harness, Wiring - Battery Charger	16	300-3160	1	Board, Printed Circuit - Battery Charger
11	321-0237	2	Holder, Fuse (AC Input)	17	305-0653	1	Rectifier, Bridge
12	321-0104	1	Holder, Fuse (DC Output)	18	821-0040	4	Screw, Lock (#10 - 32 x 5/16)
13			Fuse	19	815-0550	8	Screw, Pan Head - W/ET Washer (#6 - 32 x 3/8")
			500 Volt	20	822-2048	5	Screw, Pan Head (#8 - 32 x 1/2")
	321-0304-01	2	1.0 Amp	21	305-0781	1	Rectifier, SCR
	321-0304-02	2	1.5 Amp	22	822-2050	1	Screw, Pan Head - W/ET Washer (#8 - 32 x 3/4")
	321-0304-03	2	2.0 Amp	23	870-0221	5	Nut, Lock - W/ET Washer (#8 - 32)
	321-0304-04	2	2.5 Amp	24	C-0308	1	Instruction Sheet
	321-0304-05	2	4.5 Amp				
			600 Volt				
	321-0236	2	1.0 Amp				

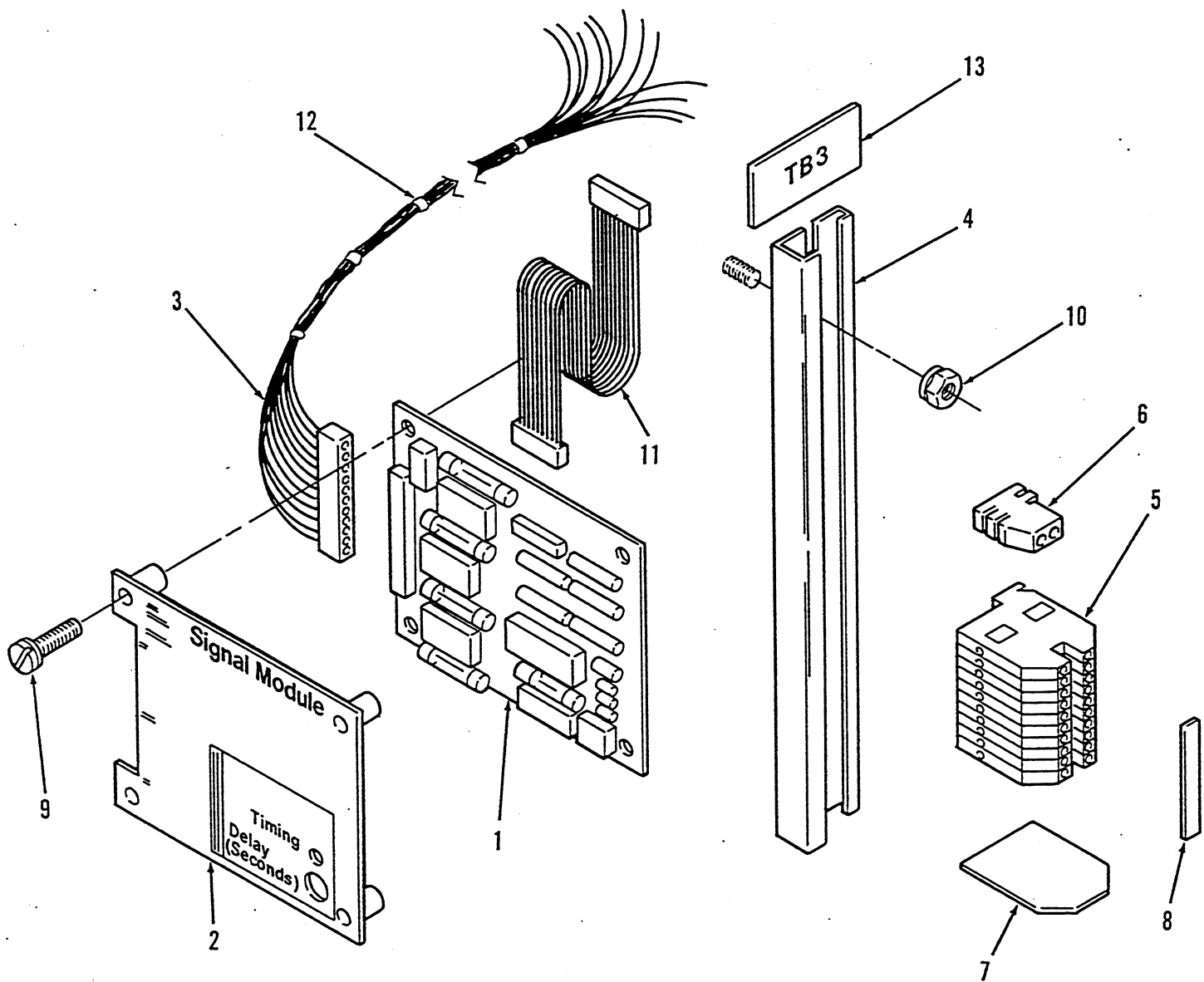
# Battery Charger (10 Amp) (24 Volt)



# Battery Charger (10 Amp) (24 Volt)

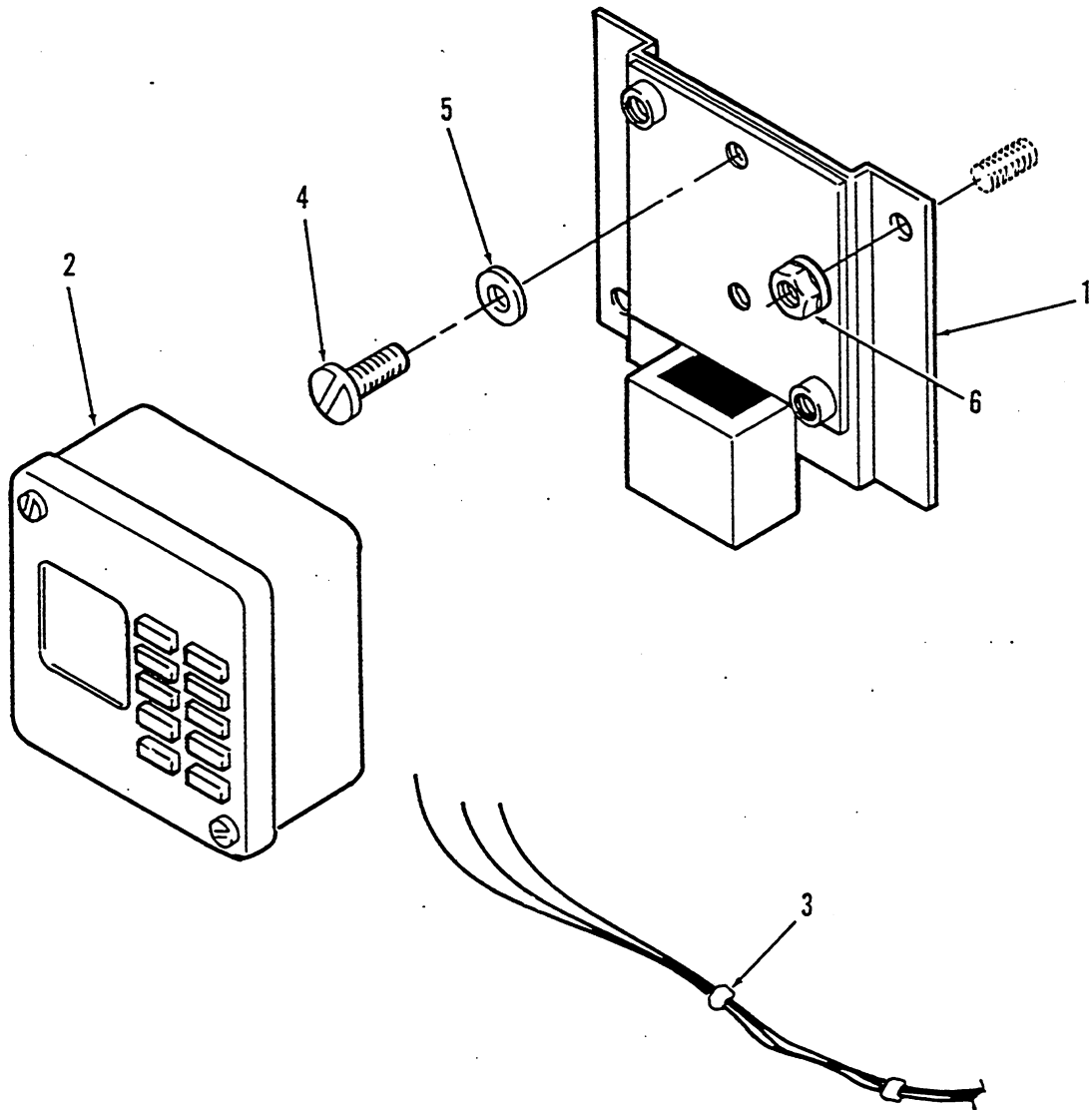
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	98-4339	1	Label, Option	15			Transformer (Primary Voltage)
2	338-2161	1	Harness, Wiring - Battery Charger				60 Hertz
3	870-0131	4	Nut, Lock - W/ET Washer (#10 - 32)	315-0666	1	120 Volt	
4	332-2777	2	Terminal, Spade	315-0666	1	208 Volt	
5	332-2420	8	Mount, Tie - Cable	315-0666	1	240 Volt	
6	332-0942	20	Tie, Cable	315-0672	1	380 Volt	
7	319-0072	1	Wrapper, Charger - Battery	315-0674	1	480 Volt	
8	319-0073	1	Cover, Charger - Battery	315-0676	1	600 Volt	
			Decal			50 Hertz	
	98-5914	1	5.0 Amp	315-0668	1	200 Volt	
	98-5915	1	4.5 Amp	315-0670	1	220 Volt	
	98-5916	1	2.5 Amp	315-0678	1	240 Volt	
	98-5997	1	2.0 Amp	315-0680	1	347 Volt	
	98-5998	1	1.5 Amp	315-0668	1	380 Volt	
9	302-1844	1	Meter, Ampere - DC	315-0668	1	400 Volt	
10	338-2223	1	Harness, Wiring - Battery Charger	315-0670	1	416 Volt	
11	321-0237	2	Holder, Fuse (AC Input)	315-0670	1	440 Volt	
12	321-0104	1	Holder, Fuse (DC Output)	16	300-3244	1	Board, Printed Circuit - Battery Charger
13			Fuse	17	305-0653	1	Rectifier, Bridge
	321-0304-02	2	1.5 Amp	18	821-0040	4	Screw, Lock (#10 - 32 x 5/16)
	321-0304-03	2	2.0 Amp	19	815-0550	8	Screw, Pan Head - W/ET Washer (#6 - 32 x 3/8")
	321-0304-04	2	2.5 Amp	20	822-2048	5	Screw, Pan Head (#8 - 32 x 1/2")
	321-0304-05	2	4.5 Amp	21	305-0781	1	Rectifier, SCR
	321-0304-06	2	5.0 Amp	22	822-2050	1	Screw, Pan Head - W/ET Washer (#8 - 32 x 3/4")
14	321-0146	1	Fuse, 15 Amp	23	870-0221	5	Nut, Lock - W/ET Washer (#8 - 32)
				24	C-0308	1	Instruction Sheet

# Elevator Signal



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-3096	1	Board, Printed Circuit - Elevator Signal	6	332-2839	2	Bracket, End - Terminal
	308-0842	1	Switch, DPDT	7	332-2841	1	Plate, End - Terminal
	321-0174	5	Fuse, 5 Amp 250 Volt (F1-F5)	8	332-2842-12	2	Tag, Terminal (11-20)
2	301-9932	1	Cover, Signal - Elevator (Includes Decal)	9	815-0680	4	Screw, Pan Head - Recessed W/ET Washer (#6 - 32 x 1'')
	98-5691	1	Decal	10	870-0221	2	Nut, Lock - W/ET Washer (#8 - 32)
3	338-2140	1	Harness, Wiring - Elevator Signal	11	323-1409	1	Pin Assembly, Ribbon
4	332-2837-09	1	Rail, Terminal	12	332-0942	10	Cable, Tie
5	332-2836-02	2	Block, Terminal - Sectional	13	98-5710	1	Label, Block - Terminal
				14	332-2842-13	2	Tag, Terminal (21-30)

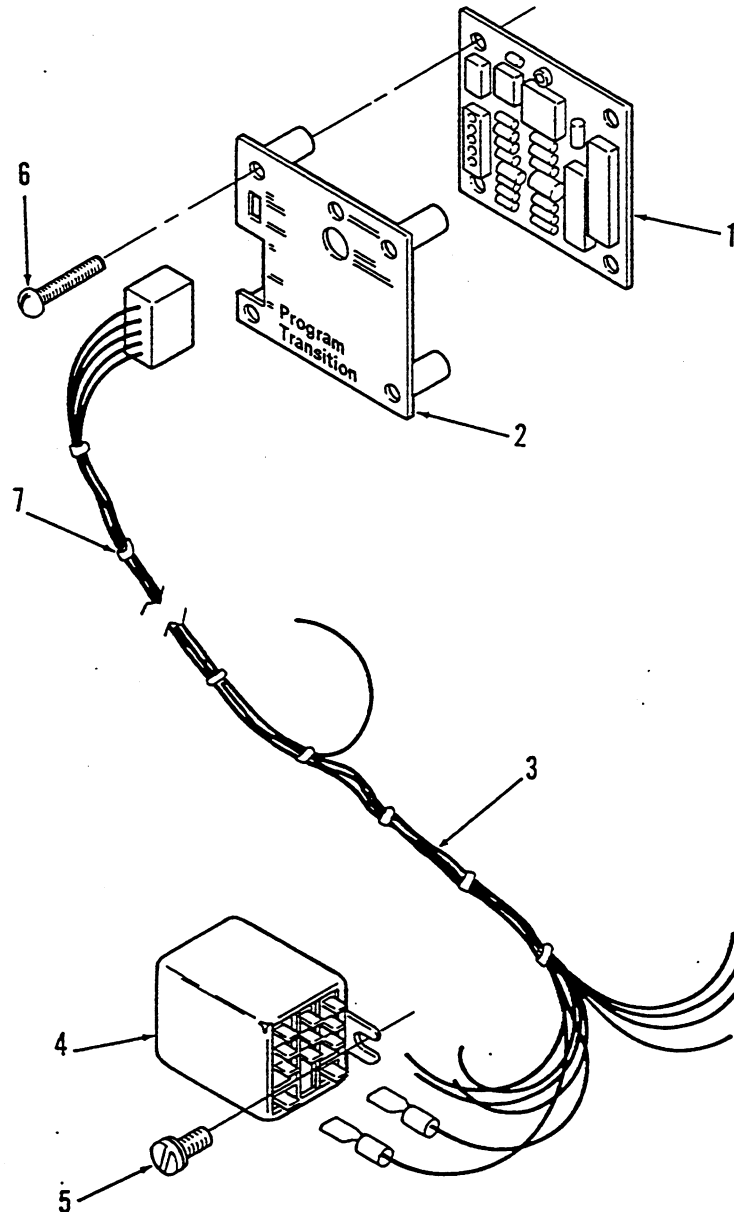
# Exerciser Clock



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-9768	1	Plate, Clock - Exerciser
2	307-2577	1	Clock, Exerciser - 24 VAC
3	332-0942	10	Tie, Cable
4	812-0061	2	Screw, Round Head (#6 - 32 x 3/8")

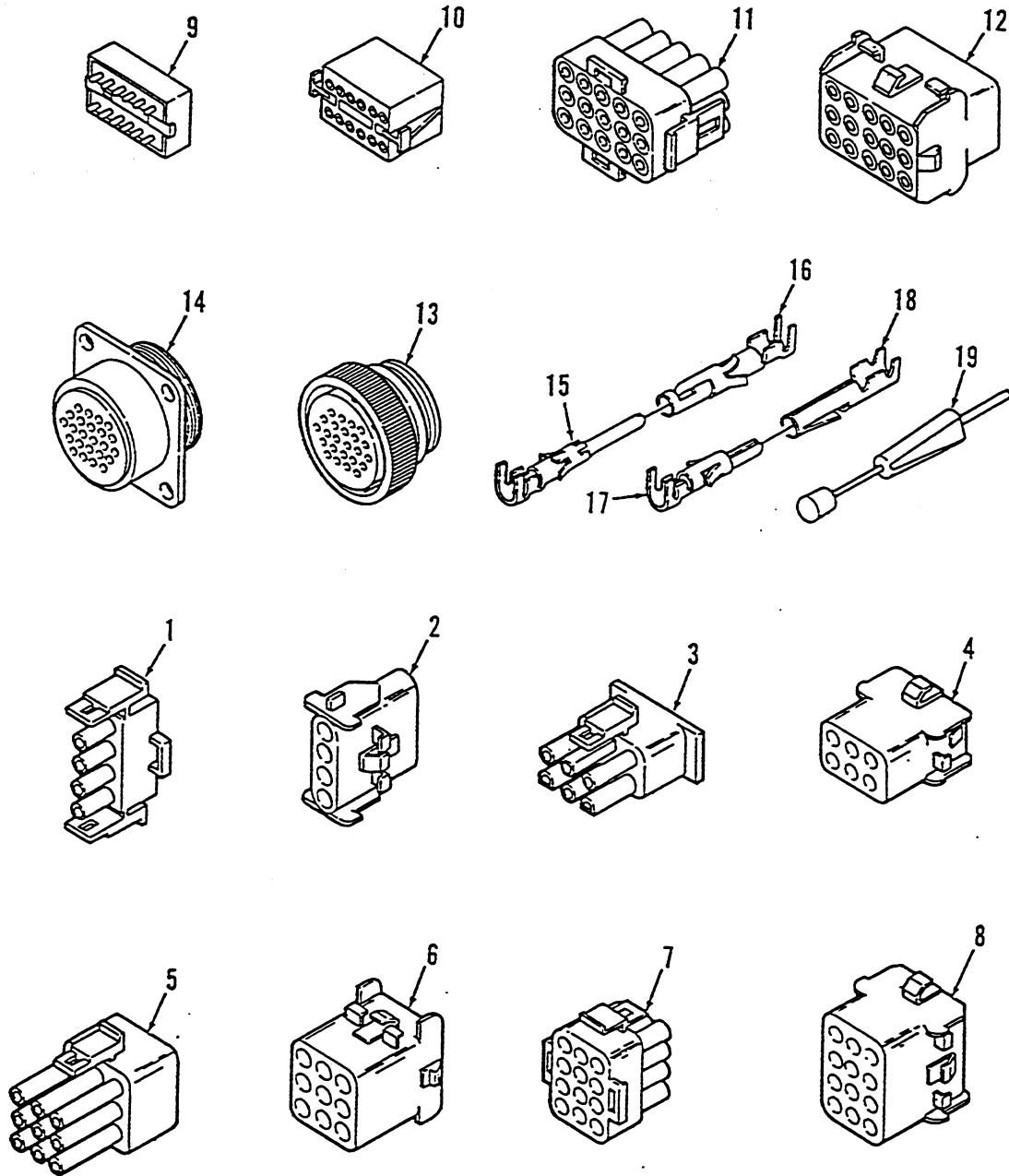
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	853-1003	2	Washer, Lock (#6)
6	870-0131	2	Nut, Lock - W/ET Washer (#10 - 32)

# Programmed Transition



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Board, Printed Circuit - Programmed Transition	3	338-2138	1	Harness, Wiring - Programmed Transition
	300-3115-01	1	07.5 Seconds	4	307-2591	1	Relay, Transition - Programmed (K3)
	300-3115-02	1	60.0 Seconds	5	815-0550	2	Screw, Pan Head - Recessed W/ET Washer (#6 - 32 x 3/8")
	308-0842	1	Switch, DPDT	6	815-0680	4	Screw, Pan Head - Recessed W/ET Washer (#6 - 32 x 1")
2			Cover, Transition - Programmed (Includes Decal)	7	332-0942	12	Tie, Cable
	301-9928-01	1	07.5 Seconds				
	98-5689	1	Decal, Transition - Programmed				
	301-9928-02	1	60.0 Seconds				
	98-5700	1	Decal, Transition - Programmed				

## Pins & Sockets



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	323-1292	1	Housing, Pin - 4
2	323-1333	1	Housing, Socket - 4
3	323-1317	1	Housing, Pin - 6
4	323-1318	1	Housing, Socket - 6
5	323-1291	1	Housing, Pin - 9
6	323-1325	1	Housing, Socket - 9
7	323-1314	1	Housing, Pin - 12
8	323-1315	1	Housing, Socket - 12
9	323-0983	1	Housing, Pin - 12
10	323-0984	1	Housing, Socket - 12
11	323-1252	1	Housing, Pin - 15
12	323-1253	1	Housing, Socket - 15

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
13	323-1207	1	Housing, Pin - 24
14	323-1206	1	Housing, Socket - 24
15	323-1194	1	Pin, Contact (Used With Circular Housings)
16	323-1195	1	Socket, Contact (Used With Circular Housings)
17	323-1199	1	Pin, Contact (Used With Rectangular Housings)
18	323-1200	1	Socket, Contact (Used With Rectangular Housings)
19	420-0487	1	Tool, Removal - Pin



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